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MEMOIRS
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NUMBER 11, PART II

A CATALOGUE AND RECLASSIFICATION OF THE
NEARCTIC ICHNEUMONIDAE
(HYMENOPTERA)

BY HENRY K. TOWNES, JR.

Part II. The Subfamilies Mesoleiinae, Plectiscinae,
Orthocentrinae, Diplazoninae, Metopiinae,
Ophioninae, Mesochorinae

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Subfamily 6. MESOLEIINAE

Tribe 1. SCOLOBATINI

SCOLOBATES Gravenhorst

Scolobates Gravenhorst, Ichneum. Europeae, 1829, 2: 357.

Genotype: (*Scolobates crassitarsus* Gravenhorst) = *auriculatus* Fabricius.

Aglyphus Giraud, Ann. Soc. Ent. France, 1872, (5), 1: 411.

Genotype: (*Aglyphus nigripennis* Giraud) = *auriculatus* Fabricius.

***Scolobates auriculatus* (Fabricius)**

Ichneumon auriculatus Fabricius, Syst. Piez., 1804, p. 69. [o.d., Austria (location of type unknown)]

Scolobates crassitarsus Gravenhorst, Ichneum. Europeae, 1829, 2: 360. ♂, ♀. [o.d., Germany, Italy (?Breslau Mus.)]

Scolobates auriculatus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, no. 2, pt. 8: 154. ♂, ♀. [des., Sweden]

Prionopoda canadensis Harrington, Canad. Ent., 1892, 24: 98. ♀. [o.d., ?Ottawa, Ont. (C.N.C.)]

Scolobates crassitarsus Davis, Trans. Amer. Ent. Soc., 1897, 24: 264. ♀. [syn., des., N.H., Ont., Pa., Tex.]

Scolobates crassitarsus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.Y.]

Scolobates crassitarsus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 297. ♀. [des.]

Subfamily 6. MESOLEIINAE

Tribe 2. EUCERATINI

EUCEROS Gravenhorst

Euceros Gravenhorst, Ichneum. Europeae, 1829, 3: 368.

Genotype: *Euceros crassicornis* Gravenhorst.

Eumesius Westwood, Introd. Mod. Class. Insects, 1840, 2: 153. New name for *Euceros* Gravenhorst.

Omiloceros Giraud, Verh. Zool. Bot. Ver. Wien, 1857, 7, abh.: 163. New name for *Euceros* Gravenhorst.

***Euceros albomarginatus* Cushman**

Scorpiorus (!) *albomarginatus* Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

Euceros albomarginatus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 12. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Euceros angulicornis Walley

Euceros angulicornis Walley, Canad. Ent., 1932, 64: 246. ♂, ♀. [o.d., B.C. (C.N.C.)]

Euceros canadensis Cresson

Euceros canadensis Cresson, Canad. Ent., 1869, 1: 103. ♀. [key, o.d., Grimsby, Ont. (A.N.S.P.)]

Euceros Canadensis Provancher, Nat. Canad., 1879, 11: 270; (Faune, p. 425). ♂. [key, des., Que.]

Euceros canadensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 254. ♂, ♀. [key, des., Canada, Mich., N.Y.]

Eumesius canadensis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 577. [N.Y.]

Euceros canadensis Slosson, Ent. News, 1902, 13: 320. [N.H.]

Euceros canadensis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key]

Euceros canadensis Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Euceros canadensis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

Euceros digitalis Walley

Euceros digitalis Walley, Canad. Ent., 1932, 64: 242. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

Euceros faciens Davis

Euceros faciens Davis, Trans. Amer. Ent. Soc., 1897, 24: 256. ♂. [key, o.d., Wash. (A.N.S.P.)]

Euceros fasciens (!) Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

Euceros flavescens Cresson

Euceros flavescens Cresson, Canad. Ent., 1869, 1: 105. ♂, ♀. [o.d., Conn. (A.N.S.P.), W.Va.]

Euceros flavescens Davis, Trans. Amer. Ent. Soc., 1897, 25: 257. ♂, ♀. [key, des., Conn., Ill., Va., W.Va.]

Eumesius flavescens Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 577. [Pa.]

Euceros flavescens Nason, Ent. News, 1905, 16: 170. [Ill.]

Euceros flavescens Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key, Conn.]

Euceros flavescens Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

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Euceros frigidus Cresson

Euceros frigidus Cresson, Canad. Ent., 1869, 1: 105. ♀. [o.d., Me. (A.N.S.P.)]

Euceros frigidus Provancher, Nat. Canad., 1874, 6: 30. [Que.]

Euceros frigidus Provancher, Nat. Canad., 1879, 11: 271; (Faune, p. 426).

[key, des., Que.]

Euceros frigidus Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♂, ♀. [key, des., Canada, Me., N.H.]

Euceros frigidus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

Euceros frigidus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5, 10. [host a b, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*. DIPRIONIDAE: b, *Neodiprion abietis*.

Euceros medialis Cresson

Euceros medialis Cresson, Canad. Ent., 1869, 1: 105. ♀. [o.d., Mass. (A.N.S.P.)]

Euceros medialis Provancher, Nat. Canad., 1879, 11: 271; (Faune, p. 427). [key, des., Que.]

Euceros medialis Davis, Trans. Amer. Ent. Soc., 1897, 24: 256. ♀. [key, des., Canada, Ida., Ill., Mass., N.H., N.Y., Pa.]

Euceros medialis Slosson, Ent. News, 1895, 6: 317. [N.H.]

Eumesius medialis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 577. [N.Y., Pa.]

Euceros medialis Nason, Ent. News, 1905, 16: 170. [Ill.]

Euceros medialis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key]

Euceros medialis Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Euceros medialis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Euceros medialis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

Euceros medialis Brimley, Insects of N.C., 1938, p. 411. [N.C.]

Euceros neodiprioni Walley

Euceros neodiprioni Walley, Canad. Ent., 1932, 64: 245. ♂, ♀. [o.d., host a, Laniel, Que. (C.N.C.)]

DIPRIONIDAE: a, *Neodiprion* sp. on *Pinus banksiana*.

Euceros obesus Davis

Euceros obesa Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♀. [key, o.d., Ill. (A.N.S.P.)]

Euceros obesus Dalla Torre, Cat. Hymen., 1901, 3: 327. [syn.]

Euceros obesa Nason, Ent. News, 1905, 16: 170. [Ill.]

Euceros sanguineus Davis

Euceros sanguineus Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♂, ♀.
[key, o.d., Colo. (A.N.S.P.)]

Euceros thoracicus Cresson

Euceros Couperii Cresson, Canad. Ent., 1869, 1: 104. ♂. [key, o.d., Ottawa, Ont. (A.N.S.P.)] New synonymy.

Euceros thoracicus Cresson, Canad. Ent., 1869, 1: 105. ♂. [o.d., Conn. (A.N.S.P.)]

Euceros Couperii Provancher, Nat. Canad., 1879, 11: 270; (Faune, p. 426).
[key, des., Que.]

Euceros Couperii Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Euceros couperii Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♂, ♀. [key, des., Canada, N.H.]

Euceros thoracicus Davis, Trans. Amer. Ent. Soc., 1897, 24: 256. ♂. [key, des., Conn., Ont.]

Scopiorus flavopictus Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

Euceros vierecki Hertzog, Ent. News, 1909, 20: 245. ♀. (not ♂). [key, o.d., fig., Harrisburg, Pa. (type lost)] New synonymy.

Euceros couperii Gibson, Ann. Rpt. Ent. Soc. Ont., 1918, 48: 121. [Man.]

Euceros couperi Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 13. [syn.]

Euceros cooperi (!) Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Euceros thoracicus Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Euceros couperii Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Euceros couperi Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.
[N.Y.]

Euceros thoracicus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.
[N.Y.]

Euceros decorus Walley, Canad. Ent., 1932, 64: 244. ♂, ♀. [o.d., host *d e*, Aweme, Man. (C.N.C.)] New synonymy.

Euceros couperii Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 9, 10, 12.
[host *a b c*, Canada]

GEOMETRIDAE: a, *Caripeta divisata*; b, *Hydriomena divisaria*; c, *Semiothisa granitata*.
DIPRIONIDAE: d, *Neodiprion* sp. TENTHREDINIDAE: e, *Pristiphora erichsoni*.

Subfamily 6. MESOLEIINAE

Tribe 3. PIONINI

TREMATOPYGUS Holmgren

Trematopygus Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 179.

Genotype: *Trematopygus ruficornis* Holmgren.

Epachthes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 205.

Genotype: *Ichneumon erythropalpus* Gmelin.

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Epachtus Thomson, Opusc. Ent., 1894, 19: 1999.

Genotype: *Ichneumon erythropalpus* Gmelin.

Lethades Davis, Trans. Amer. Ent. Soc., 1897, 24: 197, 204. New synonymy.

Genotype: *Adelognathus texanus* Ashmead.

Volucris Davis, Trans. Amer. Ent. Soc., 1897, 24: 267; 1898, 24: 287.

Genotype: *Tryphon semirufus* Cresson.

***Trematopygus kukakensis* Ashmead**

Trematopygus kukakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 212. ♀.

[o.d., Kukak Bay, Alaska (U.S.N.M.)]

***Trematopygus semirufus* (Cresson)**

Tryphon semirufus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 278. ♀. [o.d., Ill. (A.N.S.P.)]

Tryphon rufocinctus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 280. ♀. [o.d., Ill. (A.N.S.P.)]

Tryphon rufocinctus Provancher, Addit. Faune Canada, Hymén., 1886, p. 103. ♀. [key, des., Ont.]

Tryphon tuberculifer Provancher, Addit. Faune Canada, Hymén., 1886, p. 103. ♀. [key, o.d., Bécancour, Que. (M.P.Q.).] New synonymy.

Volucris semirufus Davis, Trans. Amer. Ent. Soc., 1898, 24: 287. ♂, ♀. [syn., des., Colo., Ill., Mont., Ore.]

Tryphon tuberculifera (!) Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Trematopygus semirufus Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 301. [syn.]

Trematopygus semirufus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

Trematopygus semirufus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Trematopygus semirufus Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

***Trematopygus texanus* (Ashmead) new combination**

Adelognathus texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 442. ♀. [o.d., Tex. (U.S.N.M.)]

Lethades texanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 204. ♀. [des.]

OOCENTETER Cushman

Oocenteter Cushman, Jour. Wash. Acad. Sci., 1935, 25: 555.

Genotype: *Oocenteter tomostethi* Cushman.

Oocenteter tomostethi Cushman

Oocenteter tomostethi Cushman, Jour. Wash. Acad. Sci., 1935, 25: 556. ♂, ♀.
[o.d., fig., host *a*, Riverdale, Md. (U.S.N.M.)]

Oocenteter tomostethi McConnell, Proc. Ent. Soc. Wash., 1938, 40: 23. [biol., host *a*, Md.]

TENTHREDINIDAE: *a*, *Tomostethus multicinctus*.

RHORUS FoersterSubgenus **Rhorus** Foerster

Rhorus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

Genotype: *Tryphon mesoxanthus* Gravenhorst.

Dolichoblastus Strobl, Mitt. Naturw. Ver. Steiermark, 1903, 39: 52. New synonymy.

Genotype: *Monoblastus (Dolichoblastus) flavopictus* Strobl.

Rhorus (Rhorus) clapini (Provancher) new combination

Tryphon Clapini Provancher, Nat. Canad., 1876, 8: 327. ♂ (not ♀). [o.d., St. Hyacinthe, Que. (M.P.Q.)]

Tryphon Clapini Provancher, Nat. Canad., 1879, 11: 256; (Faune, p. 414). [key, des.]

Tryphon Clapini Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

Tryphon clapini Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Subgenus **Cyphanza** Cameron

Monoblastus of authors, not of Hartig.

Cyphanza Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 723.

Genotype: *Cyphanza nigra* Cameron.

Rhorus (Cyphanza) borealis (Ashmead) new combination

Phthorina (!) *borealis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 225. ♂.
[o.d., Popof Is., Alaska (U.S.N.M.)]

Gastroporus? *borealis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 264. [syn.]

Rhorus (Cyphanza) caliroae (Viereck) new combination

Monoblastus caliroae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 151. ♂, ♀.
[o.d., host *a*, Vienna, Va. (U.S.N.M.)]

Trematopygus caliroae Cushman, Proc. Ent. Soc. Wash., 1915, 17: 135. [des., Pa.]

TENTHREDINIDAE: *a*, *Caliroa cerasi*.

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Rhorus (Cyphanza) dufresnei (Provancher) new combination

Tryphon Dufresnei Provancher, Nat. Canad., 1875, 7: 309, 311. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Tryphon Dufresnei Provancher, Nat. Canad., 1879, 11: 253; (Faune, p. 411). [key, syn., des.]

Tryphon Dufresnei Provancher, Addit. Faune Canada, Hymén., 1886, p. 100. [key]

Tryphon dufresnei Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Monoblastus varifrons Davis, Trans. Amer. Ent. Soc., 1897, 24: 262. ♂, ♀. [key, syn., des. (in part), Canada, Conn., Fla., Ill., Mass., Mich., Mont., N.H.]

Mesoleius dufresnei Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Monoblastus dufresnei Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Rhorus (Cyphanza) fuscus (Davis) new combination

Trematopygus fuscus Davis, Trans. Amer. Ent. Soc., 1897, 24: 277. ♂. [key, o.d., Mich. (A.N.S.P.)]

Rhorus (Cyphanza) hervieuxii (Provancher) new combination

Tryphon Hervieuxii Provancher, Nat. Canad., 1879, 11: 254; (Faune p. 412). ♀. [key, o.d., Que. (M.P.Q.)]

Tryphon Hervieuxii Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

Tryphon hervieuxii Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Rhorus (Cyphanza) niger (Ashmead) new combination

Monoblastus niger Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 213. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

Rhorus (Cyphanza) nigratus (Dalla Torre) new combination

Mesoleius niger Provancher, Nat. Canad., 1883, 14: 9; (Faune, p. 796). ♀. [o.d., Que. (M.P.Q.)] Preoccupied by Holmgren, 1855.

Mesoleius niger Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

Mesoleius niger Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Mesoleius nigratus Dalla Torre, Cat. Hymen., 1901, 2: 263. New name for *Mesoleius niger* Provancher.

Trematopygus eriocampoididis Cushman, Proc. Ent. Soc. Wash., 1915, 17: 135. ♂, ♀. [o.d., host a, North East, Pa. (U.S.N.M.)] New synonymy.

Monoblastus eriocampoididis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

TENTHREDINIDAE: a, *Caliroa cerasi*.

Rhorus (Cyphanza) obscurellus (Cresson) new combination

Erromenus obscurellus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 373. ♀.
[o.d., Calif. (A.N.S.P.)]

Monoblastus obscurellus Davis, Trans. Amer. Ent. Soc., 1897, 24: 261. ♂, ♀.
[key, des., Calif., Colo., Mont., Wash.]

Monoblastus obscurellus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134.
[Me.]

Rhorus (Cyphanza) pilosus (Davis) new combination

Eryma pilosa Davis, Trans. Amer. Ent. Soc., 1897, 24: 274. ♂. [o.d., Mont.
(A.N.S.P.), Mass.]

Neoeryma pilosa Dalla Torre, Cat. Hymen., 1901, 3: 310. [syn.]

Rhorus (Cyphanza) punctifrons (Davis) new combination

Monoblastus punctifrons Davis, Trans. Amer. Ent. Soc., 1897, 24: 261. ♀.
[key, o.d., Tex. (A.N.S.P.)]

Rhorus (Cyphanza) tristis (Provancher) new combination

Erromenus tristis Provancher, Addit. Faune Canada, Hymén., 1886, p. 110.
♀. [o.d., Ottawa, Ont. (M.P.Q.)]

Erromenus tristis Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♀. [key, des.]

Erromenus tristis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 412. [Me.]

Rhorus (Cyphanza) varifrons (Cresson) new combination

Tryphon varifrons Cresson, Trans. Amer. Ent. Soc., 1868, 2: 104. ♂. [o.d.,
Mass. (A.N.S.P.), Conn.]

Tryphon scutellaris Cresson, Trans. Amer. Ent. Soc., 1868, 2: 104. ♀. [o.d.,
Conn. (A.N.S.P.)]

Tryphon frontalis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 109. ♀. [o.d.,
Conn. (A.N.S.P.)]

Tryphon scutellaris Provancher, Nat. Canad., 1875, 7: 310, 311. [key, Que.]

Monoblastus varifrons Davis, Trans. Amer. Ent. Soc., 1897, 24: 262. ♂, ♀.
[key, syn., des., Canada, Conn., Fla., Ill., Mass., Mich., Mont., N.H. (In
part)]

Monoblastus varifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.
[N.J.]

Monoblastus varifrons Nason, Ent. News, 1905, 16: 170. [Ill.]

Monoblastus varifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
297. ♂, ♀. [des.]

Monoblastus varifrons Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134.
[Me.]

Monoblastus varifrons Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
948. [N.Y.]

Monoblastus varifrons Taylor, Ent. Amer., 1929, 10: 39. [Mass., Me.]

PION Schiödte

Pion Schiödte, Nat. Tidsskr., 1838, 2: 318.

Genotype: *Mesoleptus fortipes* Gravenhorst.

Catoglyptus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 98, 106.

Genotype: *Mesoleptus fortipes* Gravenhorst.

Sympherta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

New synonymy.

Genotype: *Tryphon burrus* Cresson.

Stiphrosomus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

Preoccupied by Fieber, 1858. New synonymy.

Genotype: *Ichneumon fuscicornis* Gmelin.

Provancherella Dalla Torre, Cat. Hymen., 1901, 3: 305. New synonymy.

Genotype: (*Baryceros rhopalocerus* Provancher) = *burrus* Cresson.

Pion aciculatus (Davis) new combination

Monoblastus aciculatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 262. ♂.
[key, o.d., Mont. (A.N.S.P.)]

Pion burrus (Cresson) new combination

Tryphon burrus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 108. ♀. [o.d.,
Conn. (A.N.S.P.)]

Baryceros rhopalocerus Provancher, Nat. Canad., 1875, 7: 269. ♂. [o.d.,
Que. (M.P.Q.)] New synonymy.

Mesoleptus? rhopalocerus Provancher, Nat. Canad., 1879, 11: 232; (Faune p.
405). [key, des.]

Mesoleptus rhopalocerus Provancher, Addit. Faune Canada, Hymén., 1886, p.
96. [key]

Mesoleptus largus Provancher, Addit. Faune Canada, Hymén., 1886, p. 98.
♀. [key, o.d., Bécancour, Que. (M.P.Q.)]

Tryphon rhopalocerus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Tryphon largus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Sympherta burrus Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♂, ♀. [key,
des., Conn.]

Baryceros rhopalocerus Davis, Trans. Amer. Ent. Soc., 1897, 24: 278. ♂. [des.,
Ga., N.Y.]

Tryphon largus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Provancherella rhopalocerus Dalla Torre, Cat. Hymen., 1901, 3: 305. [syn.]

Provancherella rhopalocera Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 295. ♂. [des.]

Sympherta burra Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299.
[key]

Provancherella rhopalocera Walley, Canad. Ent. 1937, 69: 191. [syn. des.]

Provancherella rhopaloceros(!) Brimley, Insects of N.C., 1938, p. 411. [N.C.]

Pion clinatus (Walley) new combination

Stiphrosomus clinatus Walley, Canad. Ent., 1937, 69: 190. ♀. [o.d., Banff, Alta. (C.N.C.)]

Pion femoratus (Davis) new combination

Catoglyptus femoratus Davis, Trans. Amer. Ent. Soc., 1898, 24: 310. ♂, ♀. [o.d., Colo. (A.N.S.P.)]

Pion fucatus fucatus (Cresson) new combination

Mesoleptus fucatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 99. ♀. [o.d., W.Va. (A.N.S.P.), Conn.]

Mesoleptus erectus Provancher, Nat. Canad., 1875, 7: 317. ♀. [o.d., Que. (M.P.Q.)]

Mesoleptus fucatus Provancher, Nat. Canad., 1877, 7: 271, 272. [key, Que.]

Mesoleptus fucatus Provancher, Nat. Canad., 1879, 11: 231; (Faune, p. 404). [key, des.]

Mesoleptus erectus Provancher, Nat. Canad., 1879, 11: 231; (Faune, p. 404). [key, des.]

Mesoleptus laetus Provancher, Nat. Canad., 1879, 11: 231; (Faune, p. 404). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Mesoleptus fucatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Mesoleptus laetus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Mesoleptus erectus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Catoglyptus? fucatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 310. ♀. [syn. des., Canada, Colo., Conn., Mass., N.H., Va., Wash.]

Catoglyptus furcatus (!) Nason, Ent. News, 1905, 16: 170. [Ill.]

Syndipnus erythrogaster Viereck, Trans. Amer. Ent. Soc., 1908, 33: 385. ♂. [o.d., Flagstaff, Ariz. (Univ. Kans.)] New synonymy.

Catoglyptus? fucatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291. ♀. [des.]

Stiphrosomus fucatus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Stiphrosomus fucatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Scopesis laetus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Catoglyptus fuscatus (!) Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Scopesis laetus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Catoglyptus fucatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

Stiphrosomus fucatus Walley, Canad. Ent., 1937, 69: 190. [syn. (in part)]

- Syndipnus erythrogaster* Walley, Canad. Ent., 1940, 72: 136. [des.]
Stiphrosomus fucatus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

***Pion fucatus nigropleuralis* (Davis) new combination**

- Mesoleptus nigropleuralis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂.
 [key, des., Nev. (A.N.S.P.)]

Subfamily 6. MESOLEIINAE

Tribe 4. CTENOPELMATINI

CTENOPELMA Holmgren

Ctenopelma Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 117.

Genotype; *Ctenopelma nigrum* Holmgren.

Diedrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200. New synonymy.

Genotype: *Diedrus areolatus* Davis.

Eryma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202. Preoccupied by Meyer, 1840 and by Albers, 1854.

Genotype: (*Eryma stigium* Kriechbaumer) = *nigrum* Holmgren.

Holmgrenia Kriechbaumer, Corres. Zool. Mineral Ver. Regensburg, 1877, 31: 146. Preoccupied by Foerster, 1868.

Genotype: (*Holmgrenia pulchra* Kriechbaumer) = *xanthostigma* Holmgren.

Kriechbaumeria Dalla Torre, Jahresber. Naturf. Ges. Graubünden, 1885, 28: 52.

New name for *Holmgrenia* Kriechbaumer.

Polyomorus Kriechbaumer, Ent. Nachr., 1894, 20: 60.

Genotype: *Polyomorus gagatinus* Kriechbaumer.

Neoeryma Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. New name for *Eryma* Foerster.

Pseudobanchus Szépligeti, Genera Insectorum, 1911, 114: 79.

Genotype: *Exetastes nigripennis* Gravenhorst.

***Ctenopelma areolatum* (Davis) new combination**

- Diedrus areolatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♀. [key, o.d., N.H. (A.N.S.P.)]

***Ctenopelma crassicorne* Walley**

- Ctenopelma crassicorne* Walley, Canad. Ent., 1941, 73: 168. ♂, ♀. [o.d., Smoky Falls, Mattagami River, Ont. (C.N.C.)]

***Ctenopelma croceum* Walley**

- Ctenopelma croceum* Walley, Canad. Ent., 1941, 73: 167. ♂, ♀. [o.d., Sweetsburg, Que. (C.N.C.), Ont.]

Ctenopelma labradorens (Davis) new combination

Diedrus labradorens Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♀. [key, o.d., Labrador (A.N.S.P.)]

Ctenopelma nigricorne (Provancher)

Mesoleptus nigricornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 99.

♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Ctenopelma nigricornis Harrington, Canad. Ent., 1892, 24: 99. [syn., des.]

Ctenopelma nigricornis Davis, Canad. Ent., 1895, 27: 289. [syn.]

Ctenopelma nigricornis Davis, Trans. Amer. Ent. Soc., 1897, 24: 250. ♀. [key, des., Ont.]

Ctenopelma nigricorne Dalla Torre, Cat. Hymen., 1901, 3: 330. [syn.]

Ctenopelma sanguineum (Provancher)

Tryphon sanguineus Provancher, Nat. Canad., 1875, 7: 118. ♂. [key, o.d., Que. (M.P.Q.)]

Ctenopelma sanguinea Provancher, Nat. Canad., 1879, 11: 248; (Faune, p. 406). ♂, ♀. [des.]

Ctenopelma sanguinea Davis, Trans. Amer. Ent. Soc., 1897, 24: 251. ♂, ♀. [key, des., Canada, Del., Ida., Mont., N.J., Wash.]

Ctenopelma sanguineum Dalla Torre, Cat. Hymen., 1901, 3: 331. [syn.]

Ctenopelma sanguineum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 300. ♂, ♀. [des.]

Ctenopelma sanguineum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

XENOSCHESIS FoersterSubgenus **Xenoschesis** Foerster

Xenoschesis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande 1868, 25: 158.

Genotype: *Exetastes fulvipes* Gravenhorst.

Homobia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

Genotype: *Colpotrochia? cinctiventris* Ashmead.

Glyptocentrus Kriechbaumer, Ent. Nachr., 1894, 20: 61.

Genotype: *Exetastes fulvipes* Gravenhorst.

Polycinetus Thomson, Opusc. Ent., 1894, 19: 1983.

Genotype: *Exetastes fulvipes* Gravenhorst.

Xenoschesis (**Xenoschesis**) **cinctiventris** (Ashmead)

Colpotrochia? cinctiventris Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200.

♂ (not ♀). [o.d., Provincetown, Mass. (U.S.N.M.)]

Pyracon clypeatum Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

- Homobia cinctiventris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 278. ♂ (not ♀).
[des.]
- Exetastes abbreviatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 366. ♂, ♀.
[o.d., Mt. Washington, N.H. (A.N.S.P.)]
- Erigloea longitarsis* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.
- Xenoschesis slossonae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 140. ♀.
[o.d., Mt. Washington, N.H. (U.S.N.M.), Newfoundland]
- Xenoschesis slossonae* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30.
[syn.]
- Xenoschesis slossonae* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132.
[Me.]
- Xenoschesis slossonae* Walley, Canad. Ent., 1935, 67: 180. [key]
- Xenoschesis cinctiventris* Walley, Canad. Ent., 1935, 67: 180. [key]
- Xenoschesis cinctiventris* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 244.
[syn.]
- Xenochesis* (!) *cinctiventris* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30.
[biol.]

Subgenus *Polycinetis* Foerster

- Polycinetis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.
Genotype: *Notopygus* (*Polycinetis*) *resplendens* Holmgren.
- Prosmorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.
Genotype: *Notopygus resplendens* Holmgren.
- Erigloea* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.
Genotype: (*Erigloea polita* Kriechbaumer) = *resplendens* Holmgren.

Xenoschesis (*Polycinetis*) *crassitarsus* Walley, new combination

- Xenoschesis crassitarsus* Walley, Canad. Ent., 1935, 67: 181. ♀. [key, o.d.,
Macdiarmid, Lake Nipigon, Ont. (C.N.C.)]

Xenoschesis (*Polycinetis*) *gracilis* Cushman, new combination

- Xenoschesis gracilis* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 141. ♀. [o.d.,
Franconia, N.H. (U.S.N.M.), Alta.]
- Xenoschesis gracilis* Walley, Canad. Ent., 1935, 67: 180. [key]

Xenoschesis (*Polycinetis*) *limatus* (Cresson)

- Tryphon?* *limatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 274. ♂. [o.d.,
Del. (A.N.S.P.)]
- Polycinetus limatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 307. ♂, ♀.
[key, des., Del., Mont., N.Y.]
- Polycinetis limata* Dalla Torre, Cat. Hymen., 1901, 3: 374. [syn.]
- Polycinetis limata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291.
♂, ♀. [des.]
- Xenoschesis limatus* Walley, Canad. Ent., 1935, 67: 180. [key]

Xenoschesis (Polycinetis) nitidus Walley, new combination

Xenoschesis nitidus Walley, Canad. Ent., 1935, 67: 180. ♂, ♀. [key, o.d., Steelhead, B.C. (C.N.C.)]

Xenoschesis (Polycinetis) solitarius (Davis)

Polycinetus solitarius Davis, Trans. Amer. Ent. Soc., 1898, 24: 307. ♀. [key, o.d., Agricultural College, Mich. (Mich. State College)]

Polycinetis solitaria Dalla Torre, Cat. Hymen., 1901, 3: 374. [syn.]

Xenoschesis solitarius Walley, Canad. Ent., 1935, 67: 180. [key]

HOMASPIS Foerster

Homaspis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.

Genotype: *Mesoleptus rufinus* Gravenhorst.

Homaspis albipes Davis

Homaspis albipes Davis, Trans. Amer. Ent. Soc., 1898, 24: 308. ♀. [o.d., N.Y. (A.N.S.P.)]

Homaspis albipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291. ♀. [des.]

Homaspis interruptus (Provancher)

Paniscus interruptus Provancher, Nat. Canad., 1874, 6: 107. ♀. [key, o.d., Que. (M.P.Q.)]

Mesoleptus interruptus Provancher, Nat. Canad., 1879, 11: 225; (Faune, p. 398). [key, des.]

Mesoleptus interruptus Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Mesoleptus interruptus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Mesolectus (!) *interruptus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43. [des.]

Homaspis interruptus Townes, Lloydia, 1938, 1: 222. [syn.]

Homaspis nigripes Cushman

Homaspis nigripes Cushman, Proc. Ent. Soc. Wash., 1915, 17: 134. ♀. [o.d., Estes Park, Colo. (U.S.N.M.)]

Homaspis rhadinus Davis

Homaspis rhadinus Davis, Trans. Amer. Ent. Soc., 1898, 24: 308. ♀. [o.d., N.H. (A.N.S.P.)]

Homaspis slossonae Cushman

Homaspis slossonae Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.
MEM. AMER. ENT. SOC., 11 pt. 2.

- Homaspis slossonae* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 15. ♂.
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]
Homaspis slossonae Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

NOTOPYGUS Holmgren

- Notopygus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 115.
Genotype: *Notopygus emarginatus* Holmgren.

Notopygus cultus (Cresson)

- Mesoleptus cultus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 99. ♀ (not ♂).
[o.d., N.J. (A.N.S.P.)]
Notopygus cultus Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀. [key, des.]
Prosmosus cymbaformus Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀.
[key, o.d., Ill. (A.N.S.P.)] New synonymy.
Prosmorus cymbiformis (!) Dalla Torre, Cat. Hymen., 1901, 3: 371. [syn.]
Notopygus cultus Cushman, Proc. U. S. Nat. Mus., 1915, 48: 511. [key]
Notopygus cultus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291.
♀. [des.]
Notopygus cymbaformus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 945. [N.Y.]

Notopygus excavatus Davis

- Notopygus excavatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀. [o.d.,
Nev. (A.N.S.P.)]
Notopygus excavatus Cushman, Proc. U. S. Nat. Mus., 1915, 48: 511. [key]

Notopygus scutellatus Cushman

- Notopygus scutellatus* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 134. ♀.
[o.d., Cornwall, Ida. (U.S.N.M.)]

Notopygus virginiensis Cushman

- Notopygus virginiensis* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 511. ♀.
[key, o.d., Vienna, Va. (U.S.N.M.)]

Subfamily 6. MESOLEIINAE

Tribe 5. MESOLEIINI

Subtribe 1. PERILISSINA

OPHELTES Holmgren

- Opheltes* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 323.
Genotype: *Ichneumon glaucopterus* Linnaeus.

Nephopheltes Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 16. New synonymy.

Genotype: *Nephopheltes japonicus* Cushman.

***Opheltes glaucopterus flavipennis* (Provancher)**

(*Ichneumon glaucopterus* Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 566. [o.d. (British Mus.)])

(*Opheltes glaucopterus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, no. 2, pt. 8: 30. ♀. [des., host, Sweden])

Campoplex flavipennis Provancher, Nat. Canad., 1874, 6: 143. ♀. [key, o.d., Que. (type lost)]

Opheltes glaucopterus Provancher, Nat. Canad., 1879, 11: 145. ♀. [syn., des., fig.]

Opheltes glaucopterus Fletcher, Canad. Ent., 1887, 19: 80. [host *a*]

Opheltes glaucopterus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Opheltes glaucopterus Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, S.D.]

Opheltes glaucopterus Riley and Howard, Insect Life, 1890, 3: 177. [host *a*, S.D.]

Opheltes glaucopterus Aldrich, Insect Life, 1891, 3: 276. [host *a*, Minn., S.D.]

Opheltes glaucopterus Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Opheltes glaucopterus Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 5. [des., biol., host *a*, S.D.]

Opheltes glaucopterus Slosson, Ent. News, 1894, 5: 4. [N.H.]

Opheltes (!) *glaucopterus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54, 55. [biol., Que.]

Opheltes glaucopterus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Opheltes glaucoptenis (!) Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Opheltes glaucopterus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

Opheltes glaucopterus Howard, The Insect Book, 1902, plate 10, fig. 27.

Opheltes glaucopterus Nason, Ent. News, 1905, 16: 151. [Ill.]

Opheltes glaucopterus Whitmarsh, Ann. Ent. Soc. Amer., 1910, 3: 197, 204-206, 208. [des., morphology]

Opheltes glaucopterus Fyles, Ann. Rpt. Ent. Soc. Ont., 1910, 40: 82. [biol., host *a*]

Opheltes glaucopterus Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 134. ♂, ♀. [des., Europe, N.H., N.J., Ont. (in part)]

Opheltes glaucopterus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [host *a*, Que.]

Opheltes glaucopterus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 281. [des.]

- Opheltes glaucopterus* var. *flavipennis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 15. ♂, ♀. [key, des., Canada, Colo., Conn., Ida., Ill., N.Y., S.D.]
- Opheltes glaucopterus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Man.]
- Opheltes glaucopterus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Opheltes glaucopterus* var. *flavipennis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Opheltes glaucopterus* var. *flavipennis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Opheltes glaucopterus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Opheltes glaucopterus* var. *flavipennis* Cushman, Mem. Cornell. Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]
- Opheltes* (!) *glaucopterus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [N.B.]
- Opheltes glaucopterus* var. *flavipennis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 410. [host a, Me.]
- CIMBICIDAE: a, *Cimbex americana*.

***Opheltes glaucopterus flavipennis* var. *barberi* Cushman**

- Opheltes glaucopterus* var. *barberi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 16. ♀. [o.d., Plummerville Is., Md. (U.S.N.M.)]

PERILISSUS Holmgren

- Perilissus* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 63.
- Genotype: *Mesoleptus filicornis* Gravenhorst. Monobasic.
- Oetophorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.
- New synonymy.
- Genotype: *Mesoleius stretchii* Cresson.
- Spanotecnus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.
- Genotype: *Mesoleptus filicornis* Gravenhorst.
- Polyoncus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.
- New synonymy.
- Genotype: *Tryphon erythrocephalus* Gravenhorst.
- Symphobus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.
- Genotype: *Tryphon pleuralis* Cresson.
- Udenia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.
- Genotype: (*Udenia herrichii* Kriechbaumer) = *rufoniger* Gravenhorst.
- Silavoga* Cameron, Ann. Transvaal Mus., 1911, 2: 190.
- Genotype: *Silavoga longicornis* Cameron.

***Perilissus bicolor* (Cresson) new combination**

- Mesoleptus bicolor* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 269. ♂. [o.d., Pa. (A.N.S.P.)]
- Prionopoda ruficornis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♂. [o.d., Ithaca, N.Y. (U.S.N.M.)]

Rhorus bicolor Davis, Trans. Amer. Ent. Soc., 1897, 24: 249. ♂. [key, des., Mich., N.Y., Pa.]

Rhorus bicolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 300. ♂, ♀. [des., Conn.]

Spanotecnus bicolor Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Spanotecnus bicolor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

***Perilissus coloradensis* (Ashmead) new combination**

Prionopoda coloradensis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♀. [o.d., Fort Collins, Colo. (U.S.N.M.)]

Spanotecnus coloradensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 303. ♂, ♀. [key, des., Mont., Ore.]

Spanotecnus coloradensis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Perilissus concolor* (Cresson) new combination**

Mesoleptus concolor Cresson, Proc. Ent. Soc. Phila., 1864, 3: 270. ♀. [o.d., N.J. (A.N.S.P.)]

Mesoleptus concolor Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Eastern and Middle States]

Cteniscus concolor Provancher, Nat. Canad., 1875, 7: 139. ♀. [key, o.d., Que. (M.P.Q.)]

Mesoleptus concolor Provancher, Nat. Canad., 1875, 7: 317. [syn., des.]

Mesoleptus concolor Provancher, Nat. Canad., 1879, 11: 230; (Faune, p. 403). [key, syn., des.]

Mesoleptus concolor Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Spanotecnus concolor Davis, Trans. Amer. Ent. Soc., 1898, 24: 304. [key, des., Ida., Mass., Mich., Mont., N.H., N.J., N.Y., Pa.]

Spanotecnus concolor Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]

Cteniscus clypeatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 211. [syn. (in part)]

Spanotecnus concolor Nason, Ent. News, 1905, 16: 170. [Ill.]

Spanotecnus concolor Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Spanotecnus concolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♂, ♀. [key, des., Conn.]

Spanotecnus concolor Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Spanotecnus concolor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

Spanotecnus concolor Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

Perilissus decoloratus (Cresson) new combination

- Mesoleptus decoloratus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 265. ♂ [o.d., Ill. (A.N.S.P.)]
Mesoleptus decoloratus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., Ill.]
Perilissus southwickii Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 196. ♂. [o.d., Central Park, New York, N.Y. (U.S.N.M.)]
Spanotecnus decoloratus Davis, Trans. Amer. Ent. Soc., 1898, 24: 304. ♂, ♀. [key, syn., des., Ill.]
Spanotecnus decoloratus Johnson, Biol. Surv. Mt. Desert Region, 1927. 1: 135. [Me.]
Spanotecnus decoloratus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

Perilissus discolor (Cresson) new combination

- Mesoleptus discolor* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 271. ♂. [o.d., Del. (A.N.S.P.)]
Mesoleptus unicolor Cresson, Proc. Ent. Soc. Phila., 1864, 3: 271. ♂. [o.d., Pa. (A.N.S.P.), Del.] New synonymy.
Mesoleptus discolor Provancher, Nat. Canad., 1879, 11: 229; (Faune, p. 402). [key, des., Que.]
Mesoleptus unicolor Provancher, Nat. Canad., 1879, 11: 229; (Faune, p. 402). [key, des., Que.]
Pyracmon rufum Provancher, Nat. Canad., 1882, 13: 365; (Faune p. 787). ♀. [o.d., Cap. Rouge, Que. (M.P.Q.)] New synonymy.
Mesoleptus discolor Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]
Mesoleptus unicolor Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]
Mesoleius rufus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]
Sympherta? unicolor Davis, Trans. Amer. Ent. Soc., 1897, 24: 253. ♀. [key, des., Canada, Del., Pa.]
Spanotecnus discolor Davis, Trans. Amer. Ent. Soc., 1898, 24: 303. ♂, ♀. [key, des., Canada, Colo., Del.]
Mesoleius rufus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]
Spanotecnus discolor Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]
Spanotecnus discolor Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
Spanotecnus discolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. [key]
Sympherta unicolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key]
Spanotecnus discolor Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Spanotecnus discolor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

***Perilissus frontosus* (Davis) new combination**

Labrossyta frontosa Davis, Trans. Amer. Ent. Soc., 1897, 24: 275. ♂, ♀. [o.d., Wash. (A.N.S.P.), Colo., Ida., Nev.]

***Perilissus fumipennis* (Provancher) new combination**

Westwoodia fumipennis Provancher, Nat. Canad., 1875, 7: 329. ♀. [o.d., Que. (M.P.Q.)]

Westwoodia fumipennis Provancher, Nat. Canad., 1879, 11: 219; (Faune, p. 392). [des.]

Westwoodia fumipennis Davis, Trans. Amer. Ent. Soc., 1897, 24: 280. ♀. [des., Canada, N.H.]

***Perilissus nasoni* (Davis) new combination**

Oetophorus nasoni Davis, Trans. Amer. Ent. Soc., 1897, 24: 251. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)]

Oetophorus nasoni Nason, Ent. News, 1905, 16: 170. [Ill.]

***Perilissus oculatus* (Davis) new combination**

Oetophorus oculatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♀. [key, o.d., Tex. (A.N.S.P.)]

***Perilissus opulentus* (Davis) new combination**

Erigloea opulenta Davis, Trans. Amer. Ent. Soc., 1897, 24: 275. ♀. [key, o.d., N.H. (A.N.S.P.)]

***Perilissus osflavus* (Davis) new combination**

Oetophorus osflavus Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♀. [key, o.d., Agricultural College, Mich. (Mich. State College)]

***Perilissus pleuralis* (Cresson) new combination**

Tryphon pleuralis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 275. ♀. [o.d., N.J. (A.N.S.P.)]

Symphobus pleuralis Davis, Trans. Amer. Ent. Soc., 1898, 24: 323. ♀. [des.]

Symphobus pleuralis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

Plectiscus pleuralis Dalla Torre, Cat. Hymen., 1901, 3: 24. [syn.]

Symphobus pleuralis Dalla Torre, Cat. Hymen., 1901, 3: 352. [syn.]

Symphobus pleuralis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289. ♀. [des.]

Symphobus pleuralis Bradley, Canad. Ent., 1939, 71: 95. [syn.]

Oetophorus pleuralis Townes, Canad. Ent., 1939, 71: 96. [syn.]

***Perilissus stretchii* (Cresson) new combination**

Mesoleius stretchii Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 371. ♀.
[o.d., Calif. (A.N.S.P.)]

Oetophorus stretchii Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♂ ?, ♀.
[key, des., Calif., Colo.]

ABSYRTUS Holmgren

Absyrtus Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 323.

Genotype: (*Absyrtus luteus* Holmgren) = *vicinator* Thunberg.

Eczetesis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Perilissus paniscoides* Ashmead.

***Absyrtus arealis* Cushman**

Absyrtus arealis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 19. ♂, ♀.
[key, o.d., Cabin John, Md. (U.S.N.M.)]

***Absyrtus paniscoides* (Ashmead)**

Perilissus paniscoides Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 197. ♀,
(♂ misdetermined). [o.d., Canada and Central Park, New York, N.Y.
(U.S.N.M.)]

Eczetesis paniscoides Davis, Trans. Amer. Ent. Soc., 1897, 24: 253. ♀. [des.,
Ill., N.Y., Pa.]

Eczetesis paniscoides Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 577.
[N.Y., Pa.]

Eczetesis paniscoides Nason, Ent. News, 1905, 16: 170. [Ill.]

Eczetesis paniscoides Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299.
♀. [des.]

Absyrtus paniscoides Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 2.
[syn.]

Absyrtus paniscoides Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 19.
[key, des.]

Absyrtus paniscoides Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
946. [N.Y.]

Absyrtus paniscoides Brimley, Insects of N.C., 1938, p. 412. [N.C.]

***Absyrtus perilisoides* Cushman**

Absyrtus perilisoides Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 19.
♂, ♀. [key, o.d., Hartford, Conn. (U.S.N.M.)]

LABROSSYTA Foerster

Labrossyta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.

Genotype: *Grypocentrus bimaculatus* Ashmead.

Atithasus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

New synonymy.

Genotype: (*Atithasus stellarius* Davis) = *bimaculata* Ashmead.

Labrossyta bimaculata (Ashmead)

Grypocentrus bimaculatus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 199.

♀. [o.d., Hanover, N.H. (U.S.N.M.)]

Labrossyta bimaculatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 276. ♀.

[des., N.H.]

Atithasus stellarius Davis, Trans. Amer. Ent. Soc., 1898, 24: 291. ♂, ♀.

[o.d., Tex. (A.N.S.P.)] New synonymy.

Labrocysta (!) *bimaculata* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204.

[Kans.]

Labrossyta indotata (Davis) new combination

Ctenopelma indotata Davis, Trans. Amer. Ent. Soc., 1897, 24: 250. ♂, ♀.

[key, o.d., Tex. (U.S.N.M.)]

Ctenopelma indotatum Dalla Torre, Cat. Hymen., 1901, 3: 330. [syn.]

Labrossyta primosa (Davis) new combination

Ctenopelma primosa Davis, Trans. Amer. Ent. Soc., 1897, 24: 250. ♂. [key,

o.d., Tex. (U.S.N.M.)]

Ctenopelma primosum Dalla Torre, Cat. Hymen., 1901, 3: 330. [syn.]

LAPHYROSCOPUS Foerster

Laphyroscoptes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.

Genotype: *Tryphon capitatus* Cresson.

Laphyroscoptes capitatus (Cresson)

Tryphon capitatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 281. ♂. [o.d., Pa.

(A.N.S.P.)]

Tryphon capitatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., Pa.]

Laphyroscoptes capitatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 307. ♂, ♀.

[des., Ga., N.H., Pa., Tex.]

Laphyroscoptes capitatus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Laphyroscoptes longipes (Davis) new combination

Syndipnus longipes Davis, Trans. Amer. Ent. Soc., 1898, 24: 288. ♀. [o.d.,

Tex. (A.N.S.P.)]

(Euryproctina?) *longipes* Walley, Canad. Ent., 1940, 72: 136. [syn., des.]

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LATHROLESTES Foerster

Lathrolestes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Lathrolestes nasoni* Davis.

Homalomma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

New synonymy.

Genotype: *Homalomma caliroae* Rohwer.

Ecclinops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

New synonymy.

Genotype: *Tryphon orbitalis* Gravenhorst.

Lathrolestes Thomson, Opusc. Ent., 1883, 9: 911, 916. New synonymy.

Genotype: *Tryphon clypeatus* Zetterstedt.

Luphyroscopus Thomson, Opusc. Ent., 1883, 9: 915. New synonymy.

Genotype: (*Tryphon gorskii* Ratzeburg) = *luteolator* Gravenhorst.

Tryphonopsis Brauns, Arch. Ver. Fr. Natur. Meklenburg, 1898, 51: 62.

Genotype: *Tryphonopsis ensator* Brauns.

Lathrolestes caliroae (Rohwer) new combination

Homalomma caliroae Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 218. ♀. [o.d., host a, Falls Church, Va. (U.S.N.M.)]

Homalomma eriocampoides Rohwer, Proc. U. S. Nat. Mus., 1915, 29: 219. ♀. [o.d., host b, Falls Church, Va. (U.S.N.M.)] New synonymy.

TENTHREDINIDAE: a, *Caliroa* sp. on *Nyssa sylvatica*; b, *Caliroa* sp. on *Quercus prinus*.

Lathrolestes cinctus new name

Phytodietus? *truncatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♀. [o.d., Brookings, S.D. (A.N.S.P.)] Preoccupied in *Lathrolestes* by Provancher, 1888.

Lissonota? *truncata* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. [syn.]

Lathrolestes constrictus (Provancher) new combination

Phygadeuon constrictus Provancher, Nat. Canad., 1882, 13: 336, 357; (Faune, p. 779). ♂. [key, o.d., Que. (M.P.Q.)]

Phygadeuon constrictus Provancher, Addit. Faune Canada, Hymén., 1886, p. 53. ♂, ♀. [key, des., Que.]

Lathrolestes iladus (Davis) new combination

Spanotecnus iladus Davis, Trans. Amer. Ent. Soc., 1898, 24: 303. ♂. [key, o.d., N.Y. (A.N.S.P.)]

Lathrolestes luteolator (Gravenhorst)

Mesoleptus luteolator Gravenhorst, Ichneum. Europeae, 1829, 2: 42. ♂. [o.d., Sickershausen, Germany (?Breslau Mus.)]

Polyoncus suburbe Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [key, o.d., suburbs of Madison, Wis. (A.N.S.P.)] New synonymy.

Lathrolestes luteolator Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Lathrolestes mentalis (Davis) new combination

Polyoncus mentalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [key, o.d., N.H. (A.N.S.P.)]

Monoblastus nigriventris Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Polyoncus mentalis Nason, Ent. News, 1905, 16: 170. [Ill.]

Laphyrosopus mentalis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 17. [syn.]

Polyoncus mentalis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Lathrolestes mnemonicae (Rohwer)

Sympherta mnemonicae Rohwer, Proc. Ent. Soc. Wash., 1914, 16: 141. ♂, ♀. [o.d., host a, Falls Church, Va. (U.S.N.M.)]

Lathrolestes mnemonicae Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 12. [syn., des.]

ERIOCRANIIDAE: a, *Mnemonica auricyanea*.

Lathrolestes nasoni Davis

Lathrolestes nasoni Davis, Trans. Amer. Ent. Soc., 1897, 24: 264. ♂, ♀. [o.d., Mont. (A.N.S.P.), Ill.]

Lathrolestes similis Davis, Trans. Amer. Ent. Soc., 1897, 24: 265. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Lathrolestes obscurellus (Davis) new combination

Spanotecnus obscurellus Davis, Trans. Amer. Ent. Soc., 1898, 24: 304. ♀. [key, o.d., Conn. (A.N.S.P.)]

Spanotecnus obscurellus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♀. [key, des.]

Lathrolestes pictus Cushman

Lathrolestes pictus Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 11. ♂, ♀. [o.d., Brookings, S.D. (U.S.N.M.)]

Lathrolestes platynus (Davis) new combination

Polyoncus platynus Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♂. [key, o.d., Agricultural College, Mich. (A.N.S.P.)]

Polyoncus unicus Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [key, o.d., Agricultural College, Mich. (A.N.S.P.)] New synonymy.

Lathrolestes rufigaster Cushman

Lathrolestes rufigaster Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 13. ♂, ♀. [o.d., host a, Grimsby, Ont. (U.S.N.M.)]

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Lathrolestes rufigaster Procter, Biol. Surv. Mt. Desert Region, 1938, 1: 404.
[host b, Me.]

TENTHREDINIDAE: a, *Metallus rubi*. Miscellaneous: b, sawfly on blackberry.

Lathrolestes scutellatus (Ashmead) new combination

Prionopoda scutellata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 441. ♀.
[o.d., Washington, D.C. (U.S.N.M.)]

Trematopygus scutellatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 278. ♀.
[key, des.]

Lathrolestes tomostethi (Cushman) new combination

Perilissus tomostethi Cushman, Jour. Wash. Acad. Sci., 1935, 25: 558. ♂, ♀.
[o.d., host a, Boston, Mass. (U.S.N.M.)]

TENTHREDINIDAE: a, *Tomostethus multicinctus*.

Lathrolestes truncatus (Provancher) new combination

Mesochorus truncatus Provancher, Addit. Faune Canada, Hymén., 1888, p. 365.
♀. [o.d., Vancouver, B.C. (M.P.Q.)]

Mesoleius truncatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Mesoleius truncatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Lathrolestes visscheri DeGant

Lathrolestes visscheri DeGant, Proc. U. S. Nat. Mus., 1933 (Feb.), 82, art. 11: 5.
♂, ♀. [o.d., Parr Is., East Spence Lake, Ont. (U.S.N.M.)]

Lathrolestes metalli Cushman, Proc. U. S. Nat. Mus., 1933 (Mar.), 82, art. 14:
10. ♂, ♀. [o.d., host a, Beamsville, Ont. (U.S.N.M.)] New synonymy.

TENTHREDINIDAE: a, *Metallus rubi*.

SYNOECETES Foerster

Synoecetes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203.

Genotype: (*Mesoleptus sedulus* Cresson) = *festivus* Cresson.

Synoecetes festivus (Cresson)

Tryphon festivus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 279. ♀ (not ♂).
[o.d., Ill. (A.N.S.P.)]

Mesoleptus sedulus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 97. ♀ (not ♂).
[o.d., Mass. (A.N.S.P.), N.J.] New synonymy.

Synoecetes sedulus Davis, Trans. Amer. Ent. Soc., 1897, 24: 279. ♂, ♀. [key,
des., Conn., Mass., Mich., N.J., N.Y.]

Synoecetes festivus Davis, Trans. Amer. Ent. Soc., 1897, 24: 279. ♂, ♀. [key,
des., Colo., Ill.]

Tryphon festivus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.
[N.J.]

Synoecetes sedulus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 295.

[key]

Synoecetes festivus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

GNESIA Foerster

Gnesia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.

Genotype: *Gnesia caliroae* Rohwer.

Gnesia caliroae Rohwer

Gnesia caliroae Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 220. ♀. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)]

TENTHREDINIDAE: *a*, *Caliroa* sp. on *Nyssa sylvatica*.

Gnesia rotundata (Davis) new combination

Trematopygus rotundatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 277. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), Mich.]

Subfamily 6. MESOLEIINAE

Tribe 5. MESOLEIINI

Subtribe 2. MESOLEIINA

PROTARCHUS Foerster

Protarchus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

Genotype: (*Tryphon rufus* Gravenhorst) = *testatorius* Thunberg.

Zacalles Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 204.

Genotype: *Zacalles magnus* Davis.

Protarchoides Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 25. New synonymy.

Genotype: *Protarchoides longipes* Cushman.

Protarchus longipes (Cushman) new combination

Psilosarge (!) *longipes* Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Protarchoides longipes Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 26.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Protarchoides mandibularis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20:

9. ♀. [o.d., fig., Wellington, B.C. (U.S.N.M.), Me.] New synonymy.

Protarchoides longipes Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15.

[key]

Protarchoides mandibularis Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13:

15. [key]

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Protarchoides longipes Walley, Canad. Ent., 1938, 70: 230. [key]

Protarchoides mandibularis Walley, Canad. Ent., 1938, 70: 230. [key, des., host a, Que.]

CIMBICIDAE: a, *Trichiosoma* sp.

Protarchus magnus (Davis)

Zacalles magnus Davis, Trans. Amer. Ent. Soc., 1898, 24: 283. ♀. [o.d., N.H. (A.N.S.P.)]

Protarchus magnus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 8. [des., N.H.]

Protarchus mellipes (Provancher) new combination

Coleocentrus mellipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 113.

♂. [o.d., Rocky Mts. (C.N.C.)]

Coleocentrus mellipes Harrington, Canad. Ent., 1893, 25: 30. [key]

Coleocentrus mellipes Cushman, Proc. U. S. Nat. Mus., 1920, 57: 507. [key, des.]

Protarchoides pallipes Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15.

♀. [key, o.d., Edmonton, Alta. (U.S.N.M.)]

Protarchoides mellipes Walley, Canad. Ent., 1938, 70: 231. [key, syn., Ont.]

Protarchus pallidicornis (Walley) new combination

Protarchoides pallidicornis Walley, Canad. Ent., 1938, 70: 231. ♀. [key, o.d., Smoky Falls, near Kapuskansing, Ont. (C.N.C.)]

HIMERTA Foerster

Himerta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

Genotype: (*Himerta bisannulatus* Thomson) = *defectiva* Holmgren.

Clepsiorthus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

Genotype: *Mesoleius*? *rubiginosus* Cresson.

Himertus Thomson, Opusc. Ent., 1883, 9: 926.

Genotype: (*Euryproctus* (*Himertus*) *bisannulatus* Thomson) = *defectiva* Holmgren.

Neoprotarchus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 10.

Genotype: *Neoprotarchus ater* Cushman.

Himerta annulata (Davis) new combination

Lampronota annulata Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♂. [o.d., Gaylord, Mich. (A.N.S.P.)]

Himerta atra (Cushman) new combination

Neoprotarchus ater Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 10. ♀ (not ♂). [o.d., fig., Mill Valley, Calif. (U.S.N.M.)]

Himertus ater Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 14. [key]

Himerta flavida (Davis) new combination

Clepsiorthus flavidus Slosson, Ent. News, 1896, 7: 264. [N.H.] Nomen nudum.

Clepsiorthus flavidus Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

Himertus flavidus Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 14. [key]

Himertus dakota Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 14. ♂ ?, ♀. [key, o.d., Spearfish, S.D. (U.S.N.M.)] New synonymy.

Himerta rubiginosa (Cresson)

Mesoleius? *rubiginosus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 372. ♂. [o.d., Calif. (A.N.S.P.)]

Clepsiorthus rubiginosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♂, ♀. [key, des., Calif., Ida., Kans., Va., Wash.]

Himertus rubiginosus Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15. [key]

Clepsiorthus rubiginosus Criddle, Ann. Rpt. Ent. Soc. Ont. 1928, 58: 102. [Alta.]

MESOLEIUS Holmgren

Mesoleius Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 69.

Genotype: *Tryphon aulicus* Gravenhorst.

Alexeter Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199. New synonymy.

Genotype: *Mesoleptus* (*Alexeter*) *ruficornis* Gravenhorst.

Lagarotis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 205. New synonymy.

Genotype: *Ichneumon semicaligatus* Gravenhorst.

Oneïsta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 207.

Genotype: (*Oneïsta bohemani* Kriechbaumer) = *ustulatus* Holmgren.

Aeolometis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 207. New synonymy.

Genotype: *Scolobates italicus* Gravenhorst.

Scopesis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209. New synonymy.

Genotype: *Mesoleius guttiger* Holmgren.

Tachyporthus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: *Scolobates italicus* Gravenhorst.

Spudaea Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 211. Preoccupied by Snellen, 1867.

Genotype: *Trematopygus* (*Spudaea*) *clypearis* Brischke.

Holmgrenia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 213.

New synonymy.

Genotype: *Holmgrenia lanceolata* Davis.

Cryptocentrus Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 156. Preoccupied by Ehrenberg, 1837.

Genotype: *Tryphon? submarginatus* Cresson.

Spudaeus Thomson, Opusc. Ent., 1883, 9: 932. Preoccupied by Gistel, 1848.

Genotype: *Tryphon leucostomus* Gravenhorst.

Lagarotus Thomson, Opusc. Ent., 1892, 17: 1880, 1881.

Genotype: *Ichneumon semicaligatus* Gravenhorst.

Scopesus Thomson, Opusc. Ent., 1894, 19: 2028.

Genotype: *Mesoleius guttiger* Holmgren.

Aelometis Thomson, Opusc. Ent., 1894, 19: 2034.

Genotype: *Scolobates italicus* Gravenhorst.

Hyposyntactus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 217.

Genotype: (*Hyposyntactus flavifrons* Ashmead) = *vancouverensis* Dalla Torre.

Alfkenia Pfankuch, Ztschr. Hymen. Dipt., 1906, 6: 89. New synonymy.

Genotype: *Ichneumon integrator* Müller.

***Mesoleius affinis* (Ashmead) new combination**

Calliphhrurus affinis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 221. ♀.

[key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

***Mesoleius alaskensis* (Ashmead) new combination**

Calliphhrurus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 220. ♂, ♀.

[key, o.d., Popof Is., Alaska (U.S.N.M.)]

***Mesoleius antennatus* Provancher**

Mesoleius antennatus Provancher, Nat. Canad., 1877, 9: 15. (♀). [o.d., Que. (M.P.Q.)]

Mesoleius antennatus Provancher, Nat. Canad., 1879, 11: 260; (Faune p. 418). ♀. [key, o.d., Que. (M.P.Q., same type as *M. antennatus* Provancher, 1877)]

Mesoleius antennatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

Alexeter antennatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♀. [key, des., Canada, N.H.]

Alexeter antennatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]

***Mesoleius articularis* Davis**

Mesoleius articularis Davis, Trans. Amer. Ent. Soc., 1898, 24: 300. ♀. [key, o.d., Wash. (A.N.S.P.), Colo.]

Mesoleius articularis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 223. [des.]

Mesoleius audax Davis

Mesoleius audax Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♀. [key, o.d., N.H. (A.N.S.P.), Colo.]

Mesoleius aulicus (Gravenhorst)

Tryphon aulicus Gravenhorst, Ichneum. Europeae, 1829, 2: 173. ♂, ♀. [o.d., Germany (?Breslau Mus.)]

Mesoleius aulicus Holmgren, Svensk. Vet.-Akad. Handl., 1854, 75: 69. [des., Sweden]

Mesoleius tenthredinis Morley, Bull. Canad. Dept. Agr. Exp. Farms, 1912, (2d. ser.), 10: 26. ♂, ♀. [o.d., England (British Mus.)] New synonymy.

Mesoleius tenthredinis Hewitt, Bull. Canad. Dept. Agr. Exp. Farms, 1912, (2d. ser.), 10: 25-28. [fig., biol., host b, Canada, England, Mich.]

Mesoleius tenthredinis Hewitt, Ann. Rpt. Ent. Soc. Ont., 1913, 42: 37. [syn., introduction of species into America]

Mesoleius tenthredinis Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Man.]

Mesoleius tenthredinis Hewitt, Agr. Gaz. Canada, 1917, 4: 355-357. [fig., biol., host b, England, Man.]

Mesoleius tenthredinis Criddle, Canad. Ent., 1928, 60: 51-53. [biol., host b, Man.]

(*Mesoleius aulicus*) Swaine, Pulp and Paper Mag. Canada, 1928, 26: 501. [biol., host a, Canada]

Mesoleius tenthredinis Smith and Graham, Jour. Econ. Ent., 1929, 22: 718. [host b, Ont.]

Mesoleius tenthredinis Graham, Canad. Ent., 1931, 63: 99-102. [biol., host b, Man., Ont., Que.]

Mesoleius tenthredinis Wier, Rpt. Minister Agr. Canada for 1931-32, 1932, p. 178. [Ont.]

Mesoleius tenthredinis deGryse, Forestry Chron., Sept. 1935, p. 8-9. [biol., host b, Man., Que.]

Mesoleius tenthredinis Hopping, Forestry Chron., 1935, 11: 260. [host b, B.C.]

Mesoleius tenthredinis Gardiner, Rpt. Minister Agr. Canada for 1935-36, 1936, p. 80. [host b, Que.]

Mesoleius tenthredinis Twinn, Ann. Rpt. Ent. Soc. Ont., 1937, 67: 85. [B.C.]

Mesoleius tenthredinis Dowden, Jour. Econ. Ent., 1937, 30: 381. [host b, "Great Lake Region," Mont.]

Mesoleius tenthredinis Hopping, Proc. Ent. Soc. B.C., 1937, 33: 47. [host b, B.C.]

Mesoleius tenthredinis Balch, Ann. Rpt. Dept. Lands Mines N.B., 1939, 102: 135. [host b, N.B.]

Mesoleius tenthredinis Balch, Rpt. N.S. Dept. Lands and Forests for 1940, 1941, p. 37. [host b, N.B.]

DIPRIONIDAE: a, *Diprion hercyniae*. TENTHREDINIDAE: b, *Pristiphora erichsonii*.

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Mesoleius canaliculatus (Provancher) new combination

- Paniscus canaliculatus* Provancher, Nat. Canad., 1874, 6: 105. ♂. [key, o.d., Que. (M.P.Q.)]
- Paniscus albotarsatus* Provancher, Nat. Canad., 1874, 6: 106. ♂. [key, o.d., Que. (M.P.Q.)]
- Paniscus albotarsatus* Provancher, Nat. Canad., 1879, 11: 146; (Faune p. 360). [key, des.]
- Mesoleptus canaliculatus* Provancher, Nat. Canad., 1879, 11: 230; (Faune p. 403). [key, des.]
- Paniscus albotarsatus* Provancher, Nat. Canad., 1882, 13: 363; (Faune p. 785). ♀. [des.]
- Mesoleptus canaliculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]
- Mesoleptus canaliculatus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Alexeter canaliculatus* Slosson, Ent. News, 1896, 7: 264. [N.H.]
- Alexeter canaliculatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 322. ♂, ♀. [key, des., Canada, N.H., N.Y., Pa., Wash.]
- Alexeter canaliculatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [Pa.]
- Paniscus albotarsatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]
- Alexeter canaliculatus* Ashmead, Psyche, 1901, 9: 148. ♂. [N.M.]
- Paniscus albotarsatus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 109. [key, des.]
- Paniscus albotarsatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 281. [des.]
- Rogas canaliculatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289. [key, des.]
- Alexeter albotarsatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 4. [syn., des.]
- Alexeter albotarsatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 42. [des.]
- Alexeter canaliculatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43. [syn.]
- Alexeter albotarsatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Alexeter albotarsatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]
- Alexeter canaliculatus* Cushman, Mem. Cornell. Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]
- Alexeter albotarsatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Rogas canaliculatus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Paniscus albotarsatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

Alexeter canaliculatus Townes, Lloydia, 1938, 1: 222. [syn.]

Alexeter canaliculatus Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

Mesoleius chicoutimiensis Provancher

Mesoleius Chicoutimiensis Provancher, Addit. Faune Canada, Hymén., 1888, p. 368. ♀. [o.d., Chicoutimi, Que. (M.P.Q.)]

Tryphon chicoutimiensis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Mesoleius chicoutimiensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Mesoleius clypeatus (Ashmead) new combination

Calliphururus clypeatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 220. ♂, ♀. [key, o.d., Alaska (U.S.N.M.)]

Mesoleius comeau * new name

Tryphon canaliculatus Provancher, Nat. Canad., 1875, 7: 116. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied in *Mesoleius* by Provancher, 1874.

Tryphon canaliculatus Provancher, Nat. Canad., 1875, 7: 311. [key]

Mesoleius submarginatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. [syn. (in part)]

Mesoleius compos (Davis) new combination

Alexeter compos Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♂. [key, o.d., Canada (A.N.S.P.)]

Mesoleius conformus Davis

Mesoleius conformus Davis, Trans. Amer. Ent. Soc., 1898, 24: 300. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), Colo., N.Y., Ore.]

Mesoleius confusus (Ashmead) new combination

Calliphururus confusus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 223. ♂. [key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

Mesoleius contractus Davis

Mesoleius contractus Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♀. [key, o.d., Canada (A.N.S.P.)]

Mesoleius cressoni (Davis) new combination

Holmgrenia cressoni Davis, Trans. Amer. Ent. Soc., 1898, 24: 293. ♀. [key, o.d., Tex. (A.N.S.P.)]

* This species is named for Mr. Noel-M. Comeau who by his careful study of the Provancher collections has made an accurate identification of many of Provancher's species possible.

Mesoleius difficilis (Davis) new combination

Rhaestes difficilis Davis, Trans. Amer. Ent. Soc., 1898, 24: 312. ♂. [key, o.d., Colo. (A.N.S.P.)]

Mesoleius euurae (Ashmead) new combination

Bassus euurae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 440. ♂. [o.d., host *a*, Placer Co., Calif. (U.S.N.M.)]

Bassus euurae Marlatt, Proc. Ent. Soc. Wash., 1894, 3: 264. [host *a*]

Tryphon euurae Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn.]

Holmgrenia euurae Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♂. [key, des.]

TENTHREDINIDAE: *a*, *Nematus resinicola*.

Mesoleius excavatus (Provancher)

Tryphon excavatus Provancher, Nat. Canad., 1875, 7: 310, 311. ♂. [key, o.d., Que. (M.P.Q.)]

Tryphon excavatus Provancher, Nat. Canad., 1879, 11: 254; (Faune p. 412). [key, des.]

Tryphon excavatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 100. [key]

Mesoleius excavatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Mesoleius excavatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Mesoleius fidelis Davis

Mesoleius fidelis Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♂, ♀. [key, o.d., N.H. (A.N.S.P.)]

Mesoleius fidelis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Mesoleius fissus Provancher

Mesoleius fissus Provancher, Nat. Canad., 1879, 11: 257; (Faune p. 415). ♂. [key, o.d., Douglastown, Que. (M.P.Q.)]

Mesoleius fissus Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Mesoleius fissus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

Lampronota? fissus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Mesoleius frigidus (Ashmead) new combination

Calliphururus frigidus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♂. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

Mesoleius groenlandicus Roman

Mesoleius groenlandicus Roman, Ann. Mag. Nat. Hist., 1930, (10) 5: 285. ♂. [o.d., Matuola, Greenland (?Stockholm Mus.)]

Mesoleius honestus (Cresson) new combination

Mesoleptus honestus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂, ♀.
[o.d., N.J. (A.N.S.P.)]

Mesoleptus albifrons Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂ (not ♀).
[o.d., Conn. (A.N.S.P.)] New synonymy.

Mesoleptus honestus Provancher, Nat. Canad., 1875, 7: 114. [key, des., Que.]

Mesoleptus honestus Provancher, Nat. Canad., 1875, 7: 272. [key]

Mesoleptus honestus Provancher, Nat. Canad., 1879, 11: 227; (Faune p. 400).
[key, des.]

Mesoleptus honestus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95.
[key]

Mesoleptus albifrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂. [key, des.]

Alexeter honestus Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♂, ♀. [key, des. Canada, Ill., N.H., N.J., N.Y., Pa.]

Alexeter honestus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576.
[N.J.]

Alexeter honestus Nason, Ent. News, 1905, 16: 170. [Ill.]

Rogas honestus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289.
[key, des.]

Mesoleptidea albifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. [key, des.]

Alexeter honestus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946.
[N.Y.]

Alexeter honestus Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

Mesoleius incessans (Davis) new combination

Rhaestes incessans Davis, Trans. Amer. Ent. Soc., 1898, 24: 311. ♀. [key, o.d., N.H. (A.N.S.P.), Colo.]

Mesoleius innoxius (Cresson) new combination

Mesoleptus innoxius Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 371. ♂.
[o.d., Lake Quesnel, B.C. (A.N.S.P.)]

Mesoleptus innoxius Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂, ♀.
[key, des., B.C., Nev., Wash.]

Mesoleius insidiosus (Cresson) new combination

Mesoleptus insidiosus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂. [o.d., Mass. (A.N.S.P.)]

Mesoleius convergens Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♀. [key, o.d., N.H. (A.N.S.P.)] New synonymy.

Mesoleptus insidiosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂. [key, des.]

Mesoleius convergens Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Mesoleius convergens Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

***Mesoleius insularis* (Ashmead) new combination**

Zootrepes insularis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 225. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

***Mesoleius intimatus* (Davis) new combination**

Mesoleptus intimatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂. [key, o.d., Colo. (A.N.S.P.), Mont.]

***Mesoleius kukakensis* (Ashmead) new combination**

Calliphhrurus kukakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♀. [key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

***Mesoleius lanceolatus* (Davis) new combination**

Holmgrenia lanceolata Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♂, ♀. [key, o.d., Colo. (A.N.S.P.)]

***Mesoleius lituratus* var. *sahlbergi* Woldstedt**

(*Mesoleius lituratus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 147. ♂. [o.d., Lapponia, Sweden (? Stockholm Mus.)])

Mesoleius Sahlbergi Woldstedt, Bidrag till Kännedom af Finlands Natur och Folk, 1874, 21: 44. ♀. [o.d., "Funnen i Muonis och Enontekis af J. Sahlberg och Palmén," Finland (location of type unknown)]

Mesoleius lituratus var. *sahlbergi* Roman, Norw. Nov. Zemlya Exped., 1921, no. 14: 23, 25. [Russia, Sweden]

Mesoleius lituratus var. *sahlbergi* Poulton, Ann. and Mag. Nat. Hist., 1934, (10), 14: 53. [Labrador]

***Mesoleius lucens* (Provancher) new combination**

Campoplex lucens Provancher, Nat. Canad., 1874, 6: 144. ♂. [key, o.d., Que. (M.P.Q.)]

Mesoleptus lucens Provancher, Nat. Canad., 1879, 11: 228; (Faune p. 401). [key, des.]

Mesoleptus lucens Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Mesoleptus riparius Davis, Trans. Amer. Ent. Soc., 1898, 24: 315. ♂, ♀. [key, o.d., Grand Lodge, Mich. (A.N.S.P.), Canada] New synonymy.

Mesoleptus lucens Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Hadrodactylus affinis Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

Alexeter riparius Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 4. [syn. des.]

Alexeter riparius Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Mesoleptus lucens Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Mesoleius luteifrons (Cresson) new combination

Mesoleptus luteifrons Cresson, Trans. Amer. Ent. Soc., 1868, 2: 99. ♂. [o.d., Fort Resolution, Great Slave Lake, N.W. Terr. (A.N.S.P.)]

Alexeter luteifrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 322. ♂. [key, des.]

Mesoleius minor (Ashmead) new combination

Calliphururus minor Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 221. ♂, ♀. [key, o.d., St. Paul Is., Alaska (A.N.S.P.)]

Mesoleius nigralis (Davis) new combination

Mesoleptus nigralis Davis, Trans. Amer. Ent. Soc., 1898, 24: 314. ♀. [key, o.d., Franconia, N.H. (A.N.S.P.)]

Mesoleius nigropictus (Davis) new combination

Lampronota nigropicta Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♂. [o.d., Agricultural College, Mich. (A.N.S.P.)]

Lampronota nigropicta Slosson, Ent. News, 1895, 6: 317. [N.H.]

Mesoleptus pictus (as *Mesoleptus distinctus* in key) Davis, Trans. Amer. Ent. Soc., 1898, 24: 315. ♂, ♀. [key, o.d., Canada (A.N.S.P.), Colo., N.H.]

New synonymy.

Scopasis (!) *monticola* Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

Scopesis monticola Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 26. ♀. [syn., o.d., Franconia, N.H. (U.S.N.M.)] New synonymy.

Scopesis pictus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 27. [syn.]

Lampronota nigropicta Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Mesoleius notatus (Davis) new combination

Alexeter notatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♂. [key, o.d., Mt. Hood, Ore. (A.N.S.P.)]

Mesoleius nuperus Davis

Mesoleius nuperus Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♀. [key, o.d., N.H. (A.N.S.P.)]

Mesoleius idahoensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♂, ♀. [key, o.d., Moscow, Ida. (A.N.S.P.), Colo.] New synonymy.

Mesoleius ovalis (Davis) new combination

Spudaea ovale Davis, Trans. Amer. Ent. Soc., 1898, 24: 291. ♂, ♀. [o.d., N.H. (A.N.S.P.), Colo., Mich.]

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Spudaea ovalis Hopping, Canad. Ent., 1937, 69: 248. [host *a*, B.C.]

TENTHREDINIDAE: *a*, *Hemichroa crocea*.

Mesoleius perplexus (Ashmead) new combination

Calliphururus perplexus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♂.
[key, o.d., Popof Is., Alaska (U.S.N.M.)]

Mesoleius pertinax Davis

Mesoleius pertinax Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♂, ♀.
[key, o.d., N.H. (A.N.S.P.), Colo.]

Mesoleius picens (Davis) new combination

Holmgrenia picens Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♀. [key,
o.d., Colo. (A.N.S.P.)]

Mesoleius provancheri (Cushman) new combination

Mesoleptus variabilis Provancher, Nat. Canad., 1883, 14: 7; (Faune p. 795).
♀. [o.d., Que. (M.P.Q.)] Preoccupied by Provancher, 1875.

Mesoleptus variabilis Provancher, Addit. Faune Canada, Hymén., 1886, p. 94.
[key]

Euryproctus sentiris (!) Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. [syn.
(in part)]

Mesoleptus provancheri Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. New
name for *Mesoleptus variabilis* Provancher, 1883.

Mesoleius pulchranotus Davis

Mesoleius pulchranotus Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. ♂.
[key, o.d., Tex. (A.N.S.P.)]

Mesoleius pulchranotus (!) Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 946. [N.Y.]

Mesoleius robustus (Provancher) new combination

Eclytus robustus Provancher, Nat. Canad., 1883, 14: 8; (Faune p. 795). ♀.
[o.d., Que. (M.P.Q.)]

Eclytus robustus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [des.]

Eclytus robustus Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Mesoleius rufopectus (Provancher) new combination

Tryphon rufopectus Provancher, Addit. Faune Canada, Hymén., 1888, p. 367.
♂. [o.d., St. Gertrude, Que. (M.P.Q.)]

Tryphon rufopectus Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key.]

Mesoleius scapularis (Cresson)

Mesoleptus scapularis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂. [o.d., Conn. (A.N.S.P.)]

Mesoleius scapularis Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♂, ♀. [key, des., Calif., Conn., Mont., Wash.]

Mesoleius scapularis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♂, ♀. [key, des.]

Mesoleius sexcarinatus (Ashmead) new combination

Polyterus sexcarinatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 217. ♀. [o.d., Alaska (U.S.N.M.)]

Mesoleius stejnegeri Ashmead

Mesoleius stejnegeri Ashmead, Fur Seals and Fur-seal Is., 1899, 4: 337. ♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

Mesoleius stejnegeri Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 223. [Alaska]

Mesoleius striatus Davis

Mesoleius striatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♂, ♀. [key, o.d., N.H. (A.N.S.P.)]

Dizemon regalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 312. ♀. [o.d., N.H. (A.N.S.P.)] New synonymy.

Mesoleius striatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Mesoleius submarginatus (Cresson)

Tryphon ? *submarginatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 274. ♂. [o.d., Ill. (A.N.S.P.)]

Tryphon submarginatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. [des., B.C., Conn., Ill., Me., Mass., N.W. Terr.]

Cryptocentrus submarginatus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 157. ♀. [des.]

Tryphon submarginatus Provancher, Nat. Canad., 1875, 7: 118. ♂, ♀. [key, des., Que.]

Mesoleius submarginatus Provancher, Nat. Canad., 1879, 11: 258; (Faune p. 416). [key, syn., des. (in part)]

Mesoleius submarginatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

Mesoleius submarginatus Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Mesoleius submarginatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. ♂, ♀. [key, syn. (in part), des., Calif., Canada, Colo., Mass., Mich., Nev., N.H., N.Y., Tex., Wash.]

Mesoleius submarginatus Nason, Ent. News, 1905, 16: 170. [Ill.]

Mesoleius submarginatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♂, ♀. [key, des.]

- Mesoleius submarginatus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
Mesoleius submarginatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135.
 [Me.]
Mesoleius submarginatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
 101: 947. [N.Y.]
Mesoleius submarginatus Brimley, Insects of N.C., 1938, p. 412. [N.C.]

Mesoleius tardus (Provancher)

- Tryphon tardus* Provancher, Nat. Canad., 1875, 7: 119. ♀. [key, o.d., Que.
 (M.P.Q.)]
Mesoleius tardus Provancher, Nat. Canad., 1879, 11: 259; (Faune p. 417).
 [key, des.]
Mesoleius tardus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105.
 [key]
Mesoleius tardus Provancher, Nat. Canad., 1887, 16: 24. [Que.]
Mesoleptus tardus Davis, Trans. Amer. Ent. Soc., 1898, 24: 314. ♀. [key,
 des., Canada, N.H.]

Mesoleius tarsalis (Cresson) new combination

- Tryphon tarsalis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 106. ♂, ♀. [o.d.,
 Conn. (A.N.S.P.)]
Holmgrenia tarsalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 293. ♀. [key,
 des.]
Holmgrenia tarsalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293.
 ♀. [des., Conn.]
Holmgrenia tarsalis Brimley, Insects of N.C., 1938, p. 412. [N.C.]
Alexeter tarsalis Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [syn., biol.]

Mesoleius vancouverensis (Dalla Torre) new combination

- Mesoleius? laetus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 372. ♂.
 [o.d., Vancouver Is., B.C. (A.N.S.P.)] Preoccupied by Gravenhorst, 1829.
Mesoleius laetus Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
Mesoleptus laetus Davis, Trans. Amer. Ent. Soc., 1898, 24: 315. ♂. [key,
 des., B.C.]
Mesoleptus vancouverensis Dalla Torre, Cat. Hymén., 1901, 3: 365. New name
 for *Mesoleius laetus* Cresson.
Hyposyntactus flavifrons Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 217. ♂.
 [o.d., fig., Juneau, Alaska (U.S.N.M.)] New synonymy.
Scopesis flavifrons Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 26. [syn.]

Mesoleius visoris Davis

- Mesoleius visoris* Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♂, ♀. [key,
 o.d., Agricultural College, Mich. (A.N.S.P.)]

Mesoleius convexus Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. ♀. [key, o.d., N.H. (A.N.S.P.)] New synonymy.

Mesoleius convexus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

Mesoleius visoris Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Mesoleius zebratus (Davis) new combination

Mesoleptus zebratus Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂, ♀. [key, o.d., N.Y. (A.N.S.P.)]

Mesoleptidea zebrata Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. ♂, ♀. [key, des.]

LAMACHUS Foerster

Adexioma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206. New synonymy.

Genotype: *Adexioma angularia* Davis.

Lamachus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Tryphon lophyrorum* Hartig.

Torocampus Schmiedeknecht, Opusc. Ichneum., 1913, 5: 2797. New synonymy.

Genotype: *Tryphon eques* Schmiedeknecht.

Lamachus angularius (Davis) new combination

Adexioma angularia Davis, Trans. Amer. Ent. Soc., 1898, 24: 284. ♀. [o.d., Wash. (A.N.S.P.)]

Lamachus oregon Cushman, Jour. Wash. Acad. Sci., 1939, 29: 401. ♂, ♀. [o.d., host a, Sweet Home, Ore. (U.S.N.M.)] New synonymy.

Lamachus oregon Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host a, Ore.]

DIPRIONIDAE: a, *Neodiprion tsugae*.

Lamachus contortionis Davis

Lamachus? contortionis Davis, Trans. Amer. Ent. Soc., 1898, 24: 284. ♀. [o.d., D.C. (A.N.S.P.)]

Lagarotis diprioni Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 217. ♂, ♀. [o.d., host c, Falls Church, Va. (U.S.N.M.)]

Lagarotis (!) *diprioni* Middleton, Jour. Agr. Res., 1921, 20: 757. [host c]

Lagarotis diprioni Aldrich, Ann. Rpt. Smithsonian Inst. for 1919, 1921, p. 378, plate 11. [fig.]

Lagarotis diprioni Champlain, Psyche, 1922, 29: 99. [host c, Pa.]

Lamachus contortionis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 411. [Me.]

Lamachus contortionis Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400. [syn.]

Lamachus contortionis Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host a b, Canada]

DIPRIONIDAE: a, *Diprion hercyniae*; b, *Neodiprion abietis*; c, *Neodiprion lecontei*.

Lamachus lophyri (Ashmead)

Neoeryma lophyri Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. ♂, ♀.
[o.d., host *c*, Canobie Lake, N.H. (U.S.N.M.)]

Neoeryma lophyri Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *b*, N.H.]

Lamachus lophyri Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400. [syn.]

Lamachus lophyri Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host *a*, Canada]

DIPRIONIDAE: *a*, *Neodiprion abietis*; *b*, *Neodiprion abbotii*; *c*, *Neodiprion* sp.

Lamachus ruficoxalis (Cushman)

Labrossyta ruficoxalis Cushman, Proc. Ent. Soc. Wash., 1919, 21: 118. ♀.
[o.d., host *a*, Aweme, Man. (U.S.N.M.)]

Lamachus ruficornis (!) Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400.
Lapsus for *ruficoxalis*.

DIPRIONIDAE: *a*, *Diprion hercyniae*.

Lamachus tsugae Cushman

Lamachus tsugae Cushman, Jour. Wash. Acad. Sci., 1939, 29: 401. ♂, ♀.
[o.d., host *a*, Sweet Home, Ore. (U.S.N.M.)]

Lamachus tsugae Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.
[biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

Lamachus virginianus (Rohwer)

Lagarotis virginianus Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 218. ♂. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)]

Lagarotis (!) *virginiana* Middleton, Jour. Agr. Res., 1921, 20: 757. [host *a*]

Lagarotis virginiana Brimley, Insects of N.C., 1938, p. 412. [N.C.]

Lamachus virginianus Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400. [syn.]

DIPRIONIDAE: *a*, *Neodiprion lecontei*.

SAOTIS Foerster

Saotis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: *Mesoleius* (*Saotus*) *brevispina* Thomson.

Saotus Thomson, Opusc. Ent., 1883, 9: 933.

Genotype: *Mesoleius* (*Saotus*) *brevispina* Thomson. By present designation.

Saotis clypeatus (Ashmead) new combination

Exolytus clypeatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 168. ♀. [key, o.d., fig., Popof Is., Alaska (U.S.N.M.)]

Saotis hoeli Roman

Saotis Hoeli Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 9. ♀. [o.d., Ymerøya an der Mündung d. Sofiasund, Greenland (?Stockholm Mus.)]

Saotis heoli Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 609. ♀. [des., Greenland]

Saotis mellipes (Provancher) new combination

Echthrus mellipes Provancher, Nat. Canad., 1874, 6: 60. ♂, ♀. [o.d., Que. (M.P.Q.)]

Mesoleius mellipes Provancher, Nat. Canad., 1879, 11: 258; (Faune p. 416). [key, des.]

Mesoleius mellipes Provancher, Addit. Faune Canada. Hymén., 1886, p. 105. [key]

Mesoleius mellipes Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. [key, des., Can., N.H., N.Y., Wash.]

Mesoleius mellipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293. ♂, ♀. [key, des.]

Mesoleius mellipes Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Mesoleius mellipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

Mesoleius mellipes Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 411. [Me.]

Subfamily 6. MESOLEIINAE

Tribe 6. EURYPROCTINI

SYNOMELIX Foerster

Zemiophora Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203. New synonymy.

Genotype: *Tryphon scutulatus* Hartig.

Synomelix Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Synomelix sieboldii* Kriechbaumer.

Zemiophorus Thomson, Opusc. Ent., 1894, 19: 2000.

Genotype: *Tryphon scutulatus* Hartig.

Synomelix fasciata (Davis) new combination

Dialges fasciatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 286. ♂. [key, o.d., Mass. (A.N.S.P.)]

Synomelix longitarsis (Ashmead) new combination

Synchnoportus longitarsis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 216. ♂. [o.d., Kukak Bay, Alaska (U.S.N.M.)]

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Synomelix obesa (Davis) new combination

Stiphrosomus obesa Davis, Trans. Amer. Ent. Soc., 1898, 24: 312. ♀. [o.d., Va. (A.N.S.P.)]

Stiphrosomus obesus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Synomelix signatipes (Cresson) new combination

Tryphon signatipes Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. ♀. [o.d., Hudson Bay Territory (A.N.S.P.)]

Trematopygus signatipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 277. ♀. [key, des.]

DIALGES Foerster

Trophoctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.
New synonymy.

Genotype: *Tryphon xanthostomus* Gravenhorst.

Pantorhaestes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Tryphon xanthostomus* Gravenhorst.

Dialges Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Dialges frontalis* Davis.

Dialges frontalis Davis

Dialges frontalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 285. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), Mich., Colo., Ind.]

Dialges frontalis Nason, Ent. News, 1905, 16: 170. [Ill.]

Dialges frontalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293.
[key]

Dialges frontalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Dialges frontalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946.
[N.Y.]

Dialges frontalis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Dialges rivalis Davis

Dialges frontalis var. *rivalis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 286. ♀.
[key, o.d., Philadelphia, Pa. (A.N.S.P.), Mich.]

Dialges rivalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.J.]

Dialges frontalis var. *rivalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 293. [key]

Dialges tricolor Davis, new combination

Dialges frontalis var. *tricolor* Davis, Trans. Amer. Ent. Soc., 1898, 24: 285.
♂, ♀. [key, o.d., Mont. (A.N.S.P.), Ill., Mass., N.H.]

Dialges frontalis var. *tricolor* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1:
134. [Me.]

MESOLEPTIDEA Viereck

Mesoleptus of authors, not of the genotype.

Mesoleptidea Viereck, Proc. Ent. Soc. Wash., 1912, 14: 176.

Genotype: *Mesoleptus cingulatus* Gravenhorst.

Mesoleptidea decens (Cresson)

Mesoleptus decens Cresson, Trans. Amer. Ent. Soc., 1868, 2: 101. ♂. [o.d., W.Va. (A.N.S.P.), Conn.]

Mesoleptus decens Provancher, Nat. Canad., 1879, 11: 223; (Faune p. 396). [key, des., Que.]

Mesoleptus decens Provancher, Addit. Faune Canada, Hymén., 1886, p. 93. [key]

Mesoleptus decens Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂, ♀. [key, des., Colo., Conn., N.H., Va.]

Mesoleptus decens Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.Y.]

Eclytus decens Dalla Torre, Cat. Hymén., 1901, 3: 379. [syn. (in part)]

Mesoleptidea decens Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. ♂, ♀. [key, des.]

Mesoleptidea decens Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Mesoleptidea decens Cushman, Mem. Cornell Univ. Agric. Exp. Sta., 1928, 101: 945. [N.Y.]

Mesoleptus decens Walley, Canad. Ent., 1933, 65: 255. [syn.]

Mesoleptidea kodiakensis (Ashmead) new combination

Hypocryptus kodiakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 208. ♂. [key, o.d., Kodiak, Alaska (U.S.N.M.)]

Mesoleptidea unalaskae (Ashmead) new combination

Mesoleptus unalaskae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 210. ♀. [o.d., Unalaska, Alaska (U.S.N.M.)]

POLYTERUS Foerster

Sychnoportus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 208. New synonymy.

Genotype: (*Sychnoportus rufopectus* Ashmead) = *olympiae* Ashmead.

Listrola Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209. New synonymy.

Genotype: *Phobetes canadensis* Harrington.

Polyterus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209.

Genotype: *Polyterus franconiaensis* Davis.

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Camponastes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 212.
New synonymy.

Genotype: *Camponastes basilicus* Davis.

***Polyterus basilicus* (Davis) new combination**

Camponastes basilicus Davis, Trans. Amer. Ent. Soc., 1898, 24: 292. ♀. [o.d.,
Vt. (A.N.S.P.)]

***Polyterus canadensis* (Davis) new combination**

Phobetes canadensis Harrington, Canad. Ent., 1894, 26: 248. ♀. [o.d., Vic-
toria, B.C. (C.N.C.)]

Listrota canadensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 289. ♀. [des.]

***Polyterus consors* (Davis) new combination**

Mesoleius consors Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♀. [key,
o.d., N.H. (A.N.S.P.)]

***Polyterus franconiaensis* Davis**

Polyterus franconiaensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 289. ♀.
[o.d., Franconia, N.H. (A.N.S.P.)]

***Polyterus olympiae* (Ashmead)**

Mesoleius olympiae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 199. ♀. [o.d.,
host *e*, Olympia, Wash. (U.S.N.M.)]

Sychnoportus rufopectus Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. ♂.
[o.d., host *d*, Canobie Lake, N.H. (U.S.N.M.)] New synonymy.

Sychnoportus rufopectus Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host
c, N.H.]

Polyterus olympiae Davis, Trans. Amer. Ent. Soc., 1898, 24: 290. ♂, ♀.
[des.]

Hypamblys olympiae Roman, Naturw. Unters. Sarekgebirges Swedisch-Lap-
pland, 1909, 4: 321. [syn.]

Polyterus olympiae Middleton, Proc. U. S. Nat. Mus., 1922, 61, art. 21: 23.
[host *a*, Va.]

Polyterus olympiae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
946. [host *b*, N.Y.]

TENTHREDINIDAE: *a*, *Nematus alnivora*; *b*, *Nematus ventralis*; *c*, tenthredinid on
Populus tremuloides; *d*, tenthredinid. Miscellaneous: *e*, sawfly on *Salix* sp.

***Polyterus virginienensis* (Ashmead) new combination**

Bassus virginienensis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 440. ♀. [o.d.,
Va. (U.S.N.M.)]

Tryphon virginienensis Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn.]

- Holmgrenia virginiensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♀.
[key, des.]
- Mesoleius puritanicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♀. [key,
o.d., N.H. (A.N.S.P.)] New synonymy.
- Polyterus albipectus* Walley, Canad. Ent., 1937, 69: 192. ♂, ♀. [o.d.,
Cascapedia River, Gaspé Co., Que. (C.N.C.)] New synonymy.
- Holmgrenia virginiensis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

SYNDIPNUS Foerster

- Polypystis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 208.
Genotype: *Tryphon lateralis* Gravenhorst.
- Syndipnus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209.
Genotype: *Euryproctus* (*Syndipnus*) *macrocerus* Thomson.
- Tlemon* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209. New
synonymy.
Genotype: *Tlemon delicatus* Ashmead.
- Neastus* Holmgren, Ent. Tidskr., 1883, 4: 154.
Genotype: *Neastus laeviceps* Holmgren.
- Anaglymmus* Roman, Arkiv för Zoologi, 1914, 9, no. 2: 3. New synonymy.
Genotype: *Anaglymmus incisus* Roman.

Syndipnus alaskensis Walley

- Syndipnus alaskensis* Walley, Canad. Ent., 1940, 72: 138. ♂, ♀. [key, o.d.,
Mt. McKinley National Park, Alaska (U.S.N.M.), N.W. Terr.]

Syndipnus delicatus (Ashmead) new combination

- Tlemon delicatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 216. ♂. [o.d.,
Kukak Bay, Alaska (U.S.N.M.)]

Syndipnus gaspesianus (Provancher)

- Tryphon gaspesianus* Provancher, Nat. Canad., 1879, 11: 252; (Faune p. 410).
♀. [key, o.d., Douglstown, Que. (M.P.Q.)]
- Polyblastus gaspesianus* Provancher, Addit. Faune Canada, Hymén., 1886, p.
107. [key]
- Tryphon gaspesianus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189, 190.
[syn.]
- Tryphon gaspesianus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]
- Syndipnus gaspesianus* Walley, Canad. Ent., 1940, 72: 143. ♂, ♀. [key,
des., fig., host a, Que.]
- TENTHREDINIDAE: a, *Pikonema alaskensis*.

Syndipnus lateralis (Gravenhorst)

Tryphon lateralis Gravenhorst, Ichneum. Europeae, 1829, 1: 690. [o.d., Netley, England (?Breslau Mus.)]

Syndipnus lateralis Pfankuch, Ztschr. Hymen. Dipt., 1907, 7: 19. [syn., des.]

Syndipnus lateralis Walley, Canad. Ent., 1940, 72: 137. ♂, ♀. [key, des., fig., host *a*, Alta., ?Colo., N.Y.]

TENTHREDINIDAE: *a*, *Pachynematus affinis*.

Syndipnus pannicularius (Holmgren)

Mesoleius pannicularius Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 178.

♀. [o.d., Qvickjock, Lappland, Sweden (type lost?)]

Syndipnus pannicularius Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 315. [syn.]

Syndipnus pannicularius Walley, Canad. Ent., 1940, 72: 138. ♀. [key, des., fig., Alaska]

Syndipnus probatus Walley

Syndipnus probatus Walley, Canad. Ent., 1940, 72: 144. ♂, ♀. [key, o.d., fig., host *a*, Plattsburg, N.Y. (U.S.N.M.), ?Calif.]

TENTHREDINIDAE: *a*, *Nematus vertebratus*.

Syndipnus rubiginosus Walley

Syndipnus rubiginosus Walley, Canad. Ent., 1940, 72: 140. ♂, ♀. [key, o.d., fig., host *a b*, Kelly's Camp, Cascapedia River, Gaspé Co., Que. (C.N.C.), N.B., Sask.]

TENTHREDINIDAE: *a*, *Pikonema alaskensis*; *b*, *Pikonema dimmockii*.

Syndipnus ungavae Walley

Syndipnus ungavae Walley, Canad. Ent., 1940, 72: 139. ♀. [key, o.d., fig., Port Burwell, Hudson Strait, Que. (C.N.C.)]

HYPAMBLYS Foerster

Hypamblys Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 212.

Genotype: (*Mesoleius transfuga* Holmgren) = *albopictus* Gravenhorst.

Hypamblys albifacies (Provancher) new combination

Mesostenus albifacies Provancher, Addit. Faune Canada, Hymén., 1888, p. 362.

♀. [o.d., Ottawa, Ont. (M.P.Q.)]

Mesoleptus albifacies Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

Mesoleptus albifacies Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Hypamblys albopictus (Gravenhorst)

Tryphon albopictus Gravenhorst, Ichneum. Europeae, 1829, 2: 255. ♂. [o.d., Warmbrunn, Germany (?Breslau Mus.)]

Mesoleius transfuga Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 164. ♂, ♀. [o.d., southern Lappland (?Stockholm Mus.)]

Euryproctus transfuga Lundbeck, Vidensk. Midd. Nat. For. København, (1896), 1897, p. 234. [Greenland]

Calliphururus popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 221. ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

Calliphururus glacialis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♂. [key, o.d., Juneau, Alaska (U.S.N.M.)] New synonymy.

Hypamblys albopictus Schmiedeknecht, Opusc. Ichneum., 1913, 5: 2791. [key, syn., des., host, northern and central Europe]

Hypamblys albopictus Roman, Arkiv. för Zoologi, 1916, 10, no. 22: 3. [Lundbeck determination queried]

Mesoleius gymnonychi Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 223. ♀. [o.d., host b, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

Calliphururus popofensis Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 419. [host a, Me.]

TENTHREDINIDAE: a, *Caliroa cerasi*; b, *Pristiphora californica*.

Hypamblys conformis (Walley) new combination

Ipoctonus conformis Walley, Canad. Ent., 1933, 65: 257. ♂, ♀. [o.d., Turkey Point, Norfolk Co., Ont. (C.N.C.)]

Ipoctonus conformis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

IPOCTONINUS Hincks

Ipoctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199. Preoccupied by Heine, 1860.

Genotype: *Ichneumon chrysostomus* Gravenhorst.

Ipoctoninus Hincks, Trans. Ent. Soc. London, 1944, (B) 13: 35. New name for *Ipoctonus* Foerster.

Ipoctoninus egregius (Davis) new combination

Mesoleptus egregius Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂. [key, o.d., Wash. (A.N.S.P.)]

Ipoctoninus striatus (Davis) new combination

Mesoleptus striatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♂. [key, o.d., Colo. (A.N.S.P.)]

Mesoleptus torpens Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♂, ♀. [key, o.d., Wash. (A.N.S.P.), Colo.] New synonymy.

Mesoleptus scrupulosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♂, ♀. [key, o.d., Wash. (A.N.S.P.), Nev.] New synonymy.

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Mesoleius balteatus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 541. ♀. [o.d., host *a*, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

Mesoleius balteatus Cushman, Proc. Ent. Soc. Wash., 1926, 28: pl. 3, fig. 10 B. [biol.]

TENTHREDINIDAE: *a*, *Ametastegia glabrata*.

Ipoctoninus unicolor (Provancher) new combination

Campoplex unicolor Provancher, Nat. Canad., 1874, 6: 144. ♂. [key, o.d., Que. (M.P.Q.)]

Mesoleptus uniformis Provancher, Nat. Canad., 1879, 11: 232; (Faune p. 405). [key, des.] New name for *Campoplex unicolor* Provancher.

Mesoleptus uniformis Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [syn.]

Mesoleptus uniformis Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

HYPERALLUS Foerster

Hyperallus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: *Hyperallus caliroae* Viereck.

Hyperallus caliroae Viereck

Hyperallus caliroae Viereck, Proc. U. S. Nat. Mus., 1911, 40: 189. ♂, ♀. [o.d., host *a*, Tallulah, La. (U.S.N.M.)]

Hyperallus caliroae Cushman, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 97, part 5: 101-102. [fig., biol., host *a*, La.]

TENTHREDINIDAE: *a*, *Caliroa amygdalina*.

Hyperallus virginiensis new name

Polyterus caliroae Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 221. ♂. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)] Preoccupied in *Hyperallus* by Viereck, 1911.

TENTHREDINIDAE: *a*, *Caliroa* sp. on *Quercus rubra*.

ANISOTACRUS Schmiedeknecht

Anisotacrus Schmiedeknecht, Opusc. Ichneum., 1913, 5: 2710, 2725.

Genotype: *Mesoleius tenellus* Holmgren.

Anisotacrus assiduus (Cresson) new combination

Mesoleptus assiduus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 97. ♂. [o.d., Mass. (A.N.S.P.)]

Clepsiorthus assiduus Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♂, ♀. [key, des., Mass., Mont.]

Pantorhaestes assiduus Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 313. [syn.]

Anisotacrus excavatus (Davis) new combination

Erigloea excavata Davis, Trans. Amer. Ent. Soc., 1897, 24: 275. ♀. [key, o.d., Mont. (A.N.S.P.), Mass.]

Anisotacrus flavifrons (Cresson) new combination

Mesoleptus flavifrons Cresson, Proc. Ent. Soc. Phila., 1864, 3: 269. ♂. [o.d., N.J. (A.N.S.P.)]

Zemiodes flavifrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♂. [key, des.]

Zemiodes flavifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

Zemiodes flavifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [des.]

Anisotacrus popofensis (Ashmead) new combination

Hypocryptus popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 208. ♀ (not ♂). [key, o.d., Popof Is., Alaska (U.S.N.M.)]

Anisotacrus spatiosus (Davis) new combination

Syncoleter spatiosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [o.d., Canada (A.N.S.P.)]

Anisotacrus truncatus (Davis) new combination

Clepsiorthus truncatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♂, ♀. [key, o.d., Mont. (A.N.S.P.), Canada]

HADRODACTYLUS Foerster

Hadrodactylus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.

Genotype: *Ichneumon typhae* Fourcroy.

Zemiodes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

Genotype: (*Zemiodes coloradensis* Davis) = *inceptus* Cresson.

Gunomeria Schmiedeknecht, Hymen. Mitteleurop., 1907, p. 625.

Genotype: *Mesoleptus* (*Gausocentrus*) *macrodactylus* Holmgren.

Hadrodactylus coxatus Davis, new combination

Hadrodactylus elongatus var. *coxatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♂, ♀. [key, o.d., Mich. (A.N.S.P.), N.Y., S.D.]

Hadrodactylus elongatus (Cresson)

Mesoleptus elongatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 96. ♂, ♀. [o.d., Mass. (A.N.S.P.)]

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Hadrodactylus elongatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 319. ♂, ♀.
[key, syn., des. (in part) Canada, Mass., Mich., Nev.]

Hadrodactylus elongatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

***Hadrodactylus femoratus* Davis, new combination**

Hadrodactylus elongatus var. *femoratus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♂, ♀. [key, o.d., N.Y. (A.N.S.P.), Colo., Ida., Mich.]

Hypocryptus seldoviae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 209. ♂, ♀.
[key, o.d., Alaska (U.S.N.M.)] New synonymy.

Hadrodactylus seldoviae Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 307. [syn.]

Hadrodactylus elongatus var. *femoratus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Hadrodactylus elongatus var. *femoratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

Hadrodactylus elongatus var. *femoratus* Brimley, Insects of N.C., 1938, p. 412. [N.C.]

***Hadrodactylus flavicornis* (Provancher) new combination**

Mesoleptus flavicornis Provancher, Nat. Canad., 1879, 11: 228; (Faune p. 401). ♀. [key, o.d., Que. (M.P.Q.)]

Mesoleptus flavicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Mesoleptus flavicornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [des.]

***Hadrodactylus inceptus* (Cresson)**

Mesoleptus inceptus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 96. ♂, ♀.
[o.d., Mass. (A.N.S.P.), Conn.]

Mesoleptus propinquus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 97. ♂.
[o.d., Del. (A.N.S.P.), Mass.] New synonymy.

Mesoleptus eximius Provancher, Nat. Canad., 1875, 7: 271. ♂. [Que.] Mis-determined.

Mesoleptus Sancti-Hyacinthi Provancher, Nat. Canad., 1875, 7: 251, 272. ♂.
[key, o.d., Mt. Yamaska, Que. (M.P.Q.)]

Mesoleptus inceptus Provancher, Nat. Canad., 1879, 11: 226; (Faune p. 339). [key, syn., des.]

Mesoleptus inceptus Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Synoecetes propinquus Davis, Trans. Amer. Ent. Soc., 1897, 24: 279. ♂.
[key, des., Del., Mass.]

Hadrodactylus inceptus Davis, Trans. Amer. Ent. Soc., 1898, 24: 319. ♂, ♀.
[key, des., Canada, Colo., Mass., Mont., Nev., N.H., Wash.]

Zemiodus coloradensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 323. ♂, ♀.
[key, o.d., Colo. (A.N.S.P.)] New synonymy.

- Mesoleptus inceptus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]
- Synoecetes propinquus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.J.]
- Hadrodactylus inceptus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. [key]
- Synoecetes propinquus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 295. [key]
- Hadrodactylus inceptus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]
- Hadrodactylus inceptus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Hadrodactylus inceptus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Hadrodactylus laurentianus (Provancher) new combination

- Tryphon Laurentianus* Provancher, Nat. Canad., 1875, 7: 118. ♂. [key, o.d., Que. (M.P.Q.)]
- Mesoleptus Laurentianus* Provancher, Nat. Canad., 1879, 11: 226; (Faune p. 339). [key, syn., des.]
- Mesoleptus Laurentianus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]
- Mesoleptus laurentianus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Hadrodactylus longicornis (Cresson)

- Mesoleptus longicornis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 270. ♂. [o.d., Del. (A.N.S.P.)]
- Mesoleptus longicornis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Del., Me.]
- Hadrodactylus longicornis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♂, ♀. [key, des., Colo., Del., Me., Mass.]
- Hadrodactylus longicornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. [key, des.]

Hadrodactylus magnacornis (Davis) new combination

- Zemiods magnacornis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♂. [o.d., Wash. (A.N.S.P.)]

Hadrodactylus seminiger (Provancher)

- Paniscus seminiger* Provancher, Nat. Canad., 1874, 6: 107. ♂, ♀. [key, o.d., Que. (M.P.Q.)]
- Mesoleptus seminiger* Provancher, Nat. Canad., 1879, 11: 230; (Faune p. 403). [key, des.]
- Mesoleptus seminiger* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Hadrodactylus ruficornis Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♀.
[key, o.d., Colo. (A.N.S.P.), Mont., Nev.]

Alexeter seminiger Davis, Trans. Amer. Ent. Soc., 1898, 24: 322. ♂, ♀.
[key, des.]

Clepsiorthus? seminiger Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43.
[syn.]

Alexeter seminiger Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Hadrodactylus seminiger Townes, Lloydia, 1939, 1: 222. [syn.]

***Hadrodactylus tibialis* (Ashmead) new combination**

Hypocryptus tibialis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 209. ♂. [key,
o.d., Popof Is., Alaska (U.S.N.M.)]

***Hadrodactylus typhae* (Fourcroy) ***

Ichneumon typhae Fourcroy, Entomologica Parisiensis, 1785, 2: 413. [o.d.,
(?Paris, France) (location of type unknown)] †

Hadrodactylus typhae Kriechbaumer, Ent. Nachr., 1891, 17: 133. ♂, ♀.
[des., Europe]

Hadrodactylus typhae Roman, Naturw. Unters. Sarekgebirges Swedisch-Lap-
pland, 1909, 4: 308. [key, des., Ky., Sweden]

***Hadrodactylus variegatipes* (Ashmead) new combination**

Hypocryptus variegatipes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 208. ♂.
[key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

EURYPROCTUS Holmgren

Euryproctus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 109.

Genotype: *Mesoleptus annulatus* Gravenhorst.

Fovaya Cameron, Ztschr. Hymen. Dipt., 1903, 3: 341.

Genotype: *Fovaya annulicornis* Cameron

***Euryproctus albocinctus* Davis**

Euryproctus albocinctus Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♀.
[key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

***Euryproctus albopunctus* Davis**

Euryproctus albopunctus Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♂, ♀.
[key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

* Occurrence in the Nearctic Region needs confirmation.

† This reference not seen.

Euryproctus annulatipes (Provancher) new combination

Mesoleptus annulatipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 96.

♂. [key, o.d., Sherbrook, Que. (M.P.Q.)]

Mesoleptus annulatipes Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Euryproctus bituminosus Davis

Euryproctus bituminosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♀.

[key, o.d., N.H. (A.N.S.P.)]

Euryproctus clavatus (Provancher)

Exetastes clavatus Provancher, Faune Ent. Canada, Hymén., 1883, p. 386. ♀.

[key, o.d., Cap Rouge, Que. (type lost)]

Euryproctus clavatus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. [syn.]

Euryproctus curvator Davis

Tryphon annulatus Provancher, Nat. Canad., 1875, 7: 119. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied in *Euryproctus* by Gravenhorst, 1829.

Mesoleptus annulatus Provancher, Nat. Canad., 1879, 11: 224; (Faune p. 397). [key, des.]

Mesoleptus annulatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Hadrodactylus elongatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 319. [syn. (in part)]

Euryproctus curvator Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♂. [key, des., Canada (A.N.S.P.), Hudson Bay Terr., N.H.]

Euryproctus curvator Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Euryproctus dakotaensis Davis

Euryproctus dakotaensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♂. [key, o.d., Brookings, S.D. (A.N.S.P.)]

Euryproctus depressus (Provancher) new combination

Mesoleptus depressus Provancher, Nat. Canad., 1875, 7: 114. ♂. [key, o.d., Que. (M.P.Q.)]

Mesoleptus depressus Provancher, Nat. Canad., 1875, 7: 272. [key]

Mesoleptus depressus Provancher, Nat. Canad., 1879, 11: 226; (Faune p. 399). [key, des.]

Mesoleptus depressus Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Ipoctonus depressus Davis, Trans. Amer. Ent. Soc., 1898, 24: 313. ♂. [des., Mass.]

Stiphrosomus fucatus Walley, Canad. Ent., 1937, 69: 190. [syn. (in part)]

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Euryproctus latigaster (Provancher) new combination

Mesostenus latigaster Provancher, Addit. Faune Canada, Hymén., 1886, p. 77.

♀. [o.d., Ottawa, Ont. (C.N.C.)]

Tryphon latigaster Davis, Canad. Ent., 1895, 27: 288. [syn.]

(Tryphonini) *latigaster* Cushman, Proc. U. S. Nat. Mus., 1929, 74: 57. [syn.]

Euryproctus longicornis (Provancher) new combination

Mesostenus longicornis Provancher, Nat. Canad., 1874, 6: 300. ♂. [key, o.d., Que. (type lost)]

Tryphon Moyeni Provancher, Nat. Canad., 1875, 7: 120. ♂. [key, o.d., Que. (M.P.Q.)]

Mesostenus longicornis Provancher, Nat. Canad., 1875, 7: 267. [key]

Mesoleptus Moyeni Provancher, Nat. Canad., 1879, 11: 223; (Faune p. 396). [key, syn., des. (in part)]

Mesoleptus Moyeni Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Mesoleptus perditus Provancher, Addit. Faune Canada, Hymén., 1886, p. 97. ♂. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

Euryproctus moyeni Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♂, ♀. [key, syn., des., Canada, N.H.]

Euryproctus moyeni Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

Euryproctus longipes (Provancher) new combination

Mesoleptus longipes Provancher, Nat. Canad., 1875, 7: 271, 272. ♂. [key, o.d., Que. (M.P.Q.)]

Mesoleptus Moyeni Provancher, Nat. Canad., 1879, 11: 223; (Faune p. 396). [key, syn., des. (in part)]

Euryproctus petiolatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)] New synonymy.

Euryproctus petiolatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Euryproctus petiolatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

Euryproctus puritanicus Davis

Euryproctus puritanicus Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♀. [key, o.d., Mass. (A.N.S.P.)]

Euryproctus ramis Davis

Euryproctus ramis Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♀. [key, o.d., Colo. (A.N.S.P.)]

Euryproctus sessilis Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)] New synonymy.

Euryproctus sentinis Davis

Euryproctus sentinis Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

Euryproctus rufopictus Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♀. [key, o.d., Tex. (U.S.N.M.)] New synonymy.

Euryproctus sentiris (!) Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. [syn. (in part)]

Subfamily 6. MESOLEIINAE

Tribe 7. CALLIDIOTINI

CALLIDIOTES Foerster

Delolytus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 189.

Genotype: (*Atractodes varicornis* Holmgren) = *coxator* Gravenhorst. By designation of Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1876, 33: 19.

Callidiotes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.

Genotype: *Mesoleptus coxator* Gravenhorst. By designation of Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1876, 33: 19.

Oxytorus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.

Genotype: *Oxytorus armatus* Thomson.

Paracanidia Viereck, Proc. U. S. Nat. Mus., 1912, 42: 642. New synonymy.

Genotype: (*Paracanidia elyi* Viereck) = *antennatus* Cresson.

Prosmoridea Cushman, Proc. Ent. Soc. Wash., 1915, 17: 191. New synonymy.

Genotype: *Prosmorus elongatus* Davis.

Callidiotes albopleuralis (Provancher)

Mesoleptus albopleuralis Provancher, Nat. Canad., 1879, 11: 224; (Faune p. 397). ♂. [key, o.d., Que. (M.P.Q.)]

Atractodes nitens Provancher, Nat. Canad., 1882, 13: 368; (Faune p. 790). ♂, ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

Mesoleptus albopleuralis Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Atractodes? albopleuralis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Prosmosus punctifrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀ (not ♂). [key, o.d., Canada (A.N.S.P.)] New synonymy.

Callidiotes albopleuralis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Callidiotes albopleuralis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Callidiotes albopleuralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

Callidiotes antennatus (Cresson) new combination

Mesoleptus antennatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 272. ♂. [o.d., Del. (A.N.S.P.)]

Mesoleptus facetus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 100. ♂. [o.d., W.Va. (A.N.S.P.)]

Mesoleptus rufomixtus Provancher, Addit. Faune Canada, Hymén., 1886, p. 97. ♂, ♀. [key, o.d., Ottawa, Ont. or Cap Rouge, Que. (C.N.C.)] New synonymy.

Mesoleptus filiformis Provancher, Addit. Faune Canada, Hymén., 1886, p. 98. ♀. [key, o.d., Knowlton, Que. (M.P.Q.)] New synonymy.

Cryptus filiformis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Mesoleptus rufomixtus Davis, Canad. Ent., 1895, 27: 289. [syn.]

Oxytorus antennatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 323. ♂. [syn., des., Del., La., W.Va.]

Mesoleptus rufomixtus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Cryptus Genelinii Dalla Torre, Cat. Hymen., 1902, 3: 573. New name for *Mesoleptus filiformis* Provancher.

Paracanidia elyi Viereck, Proc. U. S. Nat. Mus., 1912, 42: 643. ♀. [o.d., East River, Conn. (U.S.N.M.)] New synonymy.

Paracanidia elyi Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 273. [des.]

Oxytorus antennatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289. [des.]

Paracanidia elyi Viereck, Bull. N.Y. State Mus., 1928, 274: 184. [N.Y.]

Callidiotes elongata (Davis) new combination

Prosmosus elongatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 310. ♀. [key, o.d., Tex. (U.S.N.M.)]

Prosmoridea elongata Cushman, Proc. Ent. Soc. Wash., 1915, 17: 141. [syn.]

Prosmosus elongatus Brimley, Insects of N.C., 1938, p. 412. [N.C.]

Subfamily 7. PLECTISCINAE

ALLOMACRUS * Foerster

Allomacrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 117.

Genotype: *Allomacrus pimplarius* Thomson.

* An undescribed Nearctic species of this genus is in the Townes Collection.

CYLLOCERIA Schiödte

Cylloceria Schiödte, Rev. Zool. (Soc. Cuv.), 1838, p. 140.

Genotype: *Phytodietus caligatus* Gravenhorst.

Chalinoceras Ratzeburg, Ichneum. Forstins., 1852, 3: 130.

Genotype: (*Chalinoceras longicornis* Ratzeburg) = *melancholica* Gravenhorst.

Xenacis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: *Lissonota caligata* Gravenhorst.

Cylloceria lugubris (Cresson) new combination

Lampronota? lugubris Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 379. ♀.
[o.d., Lake Quesnel, B.C. (A.N.S.P.)]

Cylloceria fuscolina Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♂. [o.d.,
Colo. (type lost)]

Lampronota fuscolina Dalla Torre, Cat. Hymen., 1901, 3: 515. [syn.]

Lampronota lugubris Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 195. [syn.,
Alaska]

Cylloceria nodosa Walley

Cylloceria nodosa Walley, Canad. Ent., 1941, 73: 166. ♂, ♀. [o.d., Churchill,
Man. (C.N.C.), Alaska]

Cylloceria sexlineata (Say)

Anomalon sexlineata Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 74;
(Leconte Ed. 1: 378). ♀. [o.d., Ind. (type destroyed)]

Cylloceria occidentalis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 160. ♂, ♀.
[o.d., Pa. (A.N.S.P.), Conn., Ill., W.Va.] New synonymy.

Cylloceria occidentalis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 114. ♂, ♀.
[des.]

Cylloceria occidentalis Provancher, Nat. Canad., 1875, 7: 142. [Que.]

Cylloceria occidentalis Provancher, Nat. Canad., 1880, 12: 47; (Faune p. 468).
[key, des.]

Cylloceria occidentalis Slosson, Ent. News, 1895, 6: 317. [N.H.]

Lampronota sexcarinata Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. ♀.
[o.d., Mich. (A.N.S.P.)]

Cylloceria occidentalis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Cylloceria occidentalis Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

Lampronota occidentalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
571. [N.Y.]

Lampronota errans Dalla Torre, Cat. Hymen., 1901, 3: 515. New name for
Cylloceria occidentalis Cresson.

Lampronota aciculata Cameron, Invertebrata Pacifica, 1903, 1: 129. ♀. [o.d.,
Gunnison, Colo. (British Mus.)] New synonymy.

Cylloceria occidentalis Nason, Ent. News, 1905, 16: 172. [Ill.]

- Lampronota punctata* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 408. [syn. (in part)]
- Cylloceria sexlineata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 157. [syn., des., W.Va.]
- Cylloceria occidentalis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Cylloceria sexlineata* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]
- Cylloceria errans* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
- Cylloceria sexlineata* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
- Cylloceria sexlineata* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Cylloceria occidentalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]
- Cylloceria occidentalis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Cylloceria sexlineata* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Cylloceria occidentalis* Brimley, Insects of N.C., 1938, p. 408. [N.C.]
- Cylloceria sexlineata* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

BLAPTICUS * Foerster

- Blapticus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 171.
Genotype: *Blapticus leucostomus* Foerster.

CATASTENUS * Foerster

- Catastenus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.
Genotype: *Catastenus femoralis* Foerster.

DALLATORREA Ashmead

- Dallatorrea* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 205.
Genotype: *Dallatorrea armata* Ashmead.
- Cymodusoides* Viereck, Canad. Ent., 1925, 57: 74. New synonymy.
Genotype: *Cymodusoides gracilis* Viereck.

Dallatorrea armata Ashmead

- Dallatorrea armata* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 205. ♂. [o.d., fig., Sitka, Alaska (U.S.N.M.)]
- Cymodusoides plesius* Viereck, Canad. Ent., 1925, 57: 74. ♀. [o.d., Orillia, Ont. (C.N.C.)] New synonymy.
- Dallatorrea armata* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

* Undescribed Nearctic species of this genus are in the Townes Collection.

Dallatorrea gracilis (Viereck) new combination

Cymodusoides gracilis Viereck, Canad. Ent., 1925, 57: 74. ♀. [o.d., Aylmer, Que. (C.N.C.)]

Dallatorrea rufula (Provancher) new combination

Phygadeuon rufulus Provancher, Nat. Canad., 1879, 11: 76; (Faune p. 322). ♀. [key, o.d., Que. (M.P.Q.)]

Mesoleptus rufulus Provancher, Nat. Canad., 1879, 11: 229; (Faune p. 402). [key, syn.]

Mesoleptus rufulus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Phygadeuon rufulus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Catastenus rufulus Davis, Trans. Amer. Ent. Soc., 1897, 24: 243. ♂, ♀. [key, des., Canada, N.H.]

Symplecis rufulus Szépligeti, Genera Insectorum, 1911, 114: 55. [syn.]

SYMPLECIS Foerster

Symplecis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 151.

Genotype: *Symplecis alticola* Foerster.

Symplecis sitkensis (Ashmead) new combination

Stiboscopus sitkensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 172. ♂. [key, o.d., Sitka, Alaska (U.S.N.M.)]

EUSTERINX Foerster

Eusterinx Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172.

Genotype: *Eusterinx oligomera* Foerster.

Trestis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174. New synonymy.

Genotype: (*Thestis* (!) *tricincta* Ashmead) = *trifasciata* Ashmead.

Eusterinx compressa (Cushman) new combination

Diatora compressa Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

Polyaulon compressum Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 24. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Eusterinx fungicola (Ashmead) new combination

Mesoleptus fungicola Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 35. [host *a*, Ohio]

Mesoleptus fungicola Ashmead, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 50. ♂. [o.d., host *a*, Wooster, Ohio (U.S.N.M.)]

FUNGIVORIDAE: *a*, insect in *Polyporus applanatus*.

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Eusterinx trifasciata (Ashmead) new combination

Catastenus trifasciatus Ashmead, Fur Seals and Fur-seal Islands, 1899, 4: 336.

♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

Thestis (!) *tricincta* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 187. ♀. [o.d., Alaska (U.S.N.M.)] New synonymy.

Catastenus trifasciatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 240. [Alaska]

Catastenus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 240. ♂, ♀.

[o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Symplecis trifasciatus Szépligeti, Genera Insect., 1911, 114: 55. [syn.]

MEGASTYLUS Schiödte

Megastylus Schiödte, Guerin's Mag. Zool., 1838, 1: 139.

Genotype: *Megastylus cruentator* Schiödte.

Brephoctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Plectiscus impurator* Gravenhorst. By designation of Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 79.

Letosha Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 725.

Genotype: *Letosha longicoxis* Cameron.

Megastylus albocollaris (Cresson)

Mesoleptus (*Megastylus*?) *albocollaris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 100. ♀. [o.d., Ill. (A.N.S.P.)]

Orthocentrus albofasciatus Provancher, Nat. Canad., 1883, 14: 13; (Faune p. 800). ♀. [o.d., Que. (M.P.Q.)]

Megastylus? *albofasciatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]

Megastylus albocollaris Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♂, ♀. [des., Canada, Ill.]

Aperileptus pleuralis Slosson, Ent. News, 1902, 13: 221. [N.H.] Nomen nudum.

Megastylus ashmeadi Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 18.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

New synonymy.

Megastylus albocollaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Megastylus caseyi (Ashmead)

Spanotecnus caseyi Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 196. ♂. [o.d., Norfolk, Va. (U.S.N.M.)]

Megastylus caseyi Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♂. [des.]

Megastylus caseyi Brimley, Suppl. Insects of N.C., 1942, p. 32. [host a, N.C.]

FUNGIVORIDAE: a, *Zelmira inops*.

HELICTES Haliday

Helictes Haliday, in Curtis: Guide Arrang. Brit. Ins., Ed. 2, 1837, p. 106; Ann. Nat. Hist., 1838, (2), 8: 115.

Genotype: *Ichneumon erythrostoma* Gmelin.

Idioxenus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 171.

Genotype: *Megastylus mediator* Schiödte.

Myriarthrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172, 218.

Genotype: (*Plectiscus erythrostoma* Gravenhorst) = *erythrostoma* Gmelin.

Paipila Cameron, Trans. Amer. Ent. Soc., 1905, 20: 358.

Genotype: *Paipila longipes* Cameron.

Helictes ruficornis Davis

Helictes ruficornis Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♀ (not ♂).
[o.d., Algonquin, Ill. (A.N.S.P.)]

ANISERES Foerster

Aniseres Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 73, 92.

Genotype: *Aniseres pallipes* Foerster.

Aniseres lubricus Foerster

Aniseres lubricus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 93. ♂. [o.d., Aachen, Germany (?Vienna Mus.)]

Aniseres lubricus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Europe, Greenland]

PROCLITUS Foerster

Clepticus Haliday, Ann. Nat. Hist., 1838, 2: 116. Preoccupied by Cuvier, 1829.

Genotype: *Clepticus praetor* Haliday.

Proclitus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172.

Genotype: *Proclitus grandis* Foerster.

Mischoxorides Ashmead, Canad. Ent., 1900, 32: 368. New name for *Clepticus* Haliday.

Proclitus longicaudus (Provancher)

Cremastus longicaudus Provancher, Nat. Canad., 1882, 13: 367; (Faune p. 789).

♂, ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

Atractodes? longicaudus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Proclitus longicaudus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. [syn., des.]

Proclitus longicaudus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Proclitus longicaudus Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

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Proclitus royi (Provancher)

Cremastus royi Provancher, Nat. Canad., 1882, 13: 366; (Faune p. 788). ♂, ♀.
[key, o.d., Que. (M.P.Q.)]

Atractodes? royi Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Proclitus royi Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. [syn.]

Proclitus royi Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

PLECTISCIDEA Viereck

Plectiscus authors, not of the genotype.

Plectiscidea Viereck, Bull. U. S. Nat. Mus., 1914, 83: 118.

Genotype: *Plectiscus collaris* Gravenhorst.

Plectiscidea arcticus (Roman) new combination

Plectiscus arcticus Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 284. ♀.
[o.d., Matuola, Greenland (?Stockholm Mus.)]

Plectiscidea carinata (Provancher) new combination

Orthocentrus carinatus Provancher, Nat. Canad., 1879, 11: 281; (Faune p. 436).
♂. [key, o.d., Que. (M.P.Q.)]

Orthocentrus carinatus Provancher, Nat. Canad., 1889, 19: 248. [Que.]

Atmetus carinatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♂, ♀. [key,
syn. (in part), des. Canada, Colo., Ill., Mich.]

Orthocentrus carinatus Slosson, Ent. News, 1897, 8: 237. [N.H.]

Atmetus carinatus Nason, Ent. News, 1905, 16: 169. [Ill.]

Plectiscus carinatus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Atmetus carinatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

Plectiscidea collaris (Gravenhorst)

Plectiscus collaris Gravenhorst, Ichneum. Europaeae, 1829, 2: 987. ♀. [o.d.,
Sickershausen, Germany (?Breslau Mus.)]

Plectiscus collaris Lundbeck, Vidensk. Medd. Nat. For. København, (1896),
1897, p. 234. [Greenland]

Plectiscidea collaris Viereck, Bull. U. S. Nat. Mus., 1914, 83: 118. [syn.]

Plectiscus collaris Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Europe,
Greenland]

Plectiscidea glabrifrons (Davis) new combination

Catastenus glabrifrons Davis, Trans. Amer. Ent. Soc., 1897, 24: 243. ♂.
[key, des., Algonquin, Ill. (A.N.S.P.)]

Symplecis glabrifrons Szépligeti, Genera Insectorum, 1911, 114: 55. [syn.]

Plectiscidea humeralis (Provancher) new combination

Mesochorus humeralis Provancher, Nat. Canad., 1883, 14: 4; (Faune p. 792).

♀. [key, o.d., Que. (M.P.Q.)]

Atractodes? humeralis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Plectiscidea hyperboreus (Holmgren) new combination

Plectiscus hyperboreus Holmgren, Svensk. Vet.-Akad. Handl., 1869, 8, pt. 5: 21, ♂, ♀. [o.d., Green Harbor, Spitzbergen Is. (Stockholm Mus.)]

Plectiscus bistriatus Thomson, Opusc. Ent., 1888, 12: 1299. ♂, ♀. [o.d., "vid Örtöfta nära Lund" (?Lund Mus.)]

Plectiscus sp. Lundbeck, Meddel. om Grønland, 1895, 19: 110. [Greenland]

Plectiscus bistriatus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 234. [Greenland]

Plectiscus bistriatus Nielsen, Medd. om Grønland, 1907, 29: 386. [Greenland]

Plectiscus hyperboreus Roman, Archiv för Zoologi, 1916, 10, no. 22: 9. ♂, ♀. [syn., des.]

Plectiscus hyperboreus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Europe, Greenland]

Plectiscidea lurida (Foerster) new combination

Pantisarthrus luridus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28, pt. 3: 110. [o.d. in key, Aachen, Germany (?Vienna Mus.)]

Plectiscus luridus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 234. [Greenland]

Plectiscus luridus Roman, Archiv för Zoologi, 1916, 10, no. 22: 3. [syn.]

Plectiscidea nasoni (Davis) new combination

Miomeris nasoni Davis, Trans. Amer. Ent. Soc., 1897, 24: 244. ♀. [o.d., Algonquin, Ill. (A.N.S.P.)]

Plectiscidea nigra (Provancher) new combination

Plectiscus niger Provancher, Nat. Canad., 1883, 14: 6; (Faune p. 793). ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Plectiscus niger Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♂, ♀. [key, des.]

Plectiscidea orcae (Ashmead) new combination

Plectiscus orcae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 240. ♀. [o.d., Orca, Alaska (U.S.N.M.)]

Plectiscidea parva (Cushman) new combination

Aperilaptus (!) *parvus* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

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- Plectiscus parvus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 22. ♀.
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]
Plectiscus parvus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Plectiscidea patula (Viereck) new combination

- Mesochorus areolatus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 92. ♀. [o.d.,
Beulah, N.M. (A.N.S.P.)] Preoccupied by Provancher, 1883
Mesochorus patulus Viereck, Proc. U. S. Nat. Mus., 1911, 40: 192. New name
for *Mesochorus areolatus* Viereck.
Plectiscus patulus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

PANTISARTHURUS Foerster

- Pantisarthrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 74,
109.
Genotype: *Pantisarthrus inaequalis* Foerster.

Pantisarthrus dorsalis (Provancher) new combination

- Bassus dorsalis* Provancher, Addit. Faune Canada, Hymen., 1886, p. 112. ♀.
[o.d., Cap Rouge, Que. or Ottawa, Ont. (M.P.Q.)]
Plectiscus dorsalis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]
Hemiteles dorsalis Davis, Canad. Ent., 1895, 27: 290. [syn.]
Bassus dorsalis Walley, Canad. Ent., 1937, 69: 116. [syn.]

APERILEPTUS Foerster

- Aperileptus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.
Genotype: *Plectiscus albipalpus* Gravenhorst.

Aperileptus gracilis (Provancher) new combination

- Phytodietus gracilis* Provancher, Nat. Canad., 1875, 7: 331. ♀. [o.d., Que.
(M.P.Q.)]
Plectiscus gracilis Provancher, Nat. Canad., 1879, 11: 210; (Faune p. 382).
[des.]
Plectiscus gracilis Provancher, Nat. Canad., 1883, 14: 6; (Faune p. 793). [key]
Proedrus delicatus Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.
Plectiscus gracilis Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♀. [key, des.]
Aperileptus clypeatus Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.
Plectiscus gracilis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. [syn.]
Aperileptus (!) *clypeatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 4.
♀. [syn., o.d., Franconia, N.H. (U.S.N.M.)] New synonymy.
Aperileptus delicatus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 5. ♀.
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] New
synonymy.
Aperileptus clypeatus Bradley, Bull. Lloyd Libr., 1926, 27: 172. [N.Y.]

Aperileptus delicatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131.
[Me.]

Aperileptus delicatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Aperileptus clypeatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Aperileptus valerius (Davis) new combination

Catastenus valerius Davis, Trans. Amer. Ent. Soc., 1897, 24: 243. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)]

Symplecis valerius Szépligeti, Genera Insectorum, 1911, 114: 55. [syn.]

MICROLEPTES Gravenhorst

Microleptes Gravenhorst, Ichneum. Europeae, 1829, 1: 679.

Genotype: *Microleptes splendidulus* Gravenhorst.

Microleptes splendidulus Gravenhorst *

Microleptes splendidulus Gravenhorst, Ichneum. Europeae, 1829, 1: 679. ♀.
[o.d., Netley, England (?Breslau Mus.)]

HYPERACMUS Holmgren

Hyperacmus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 322.

Genotype: *Exochus crassicornis* Gravenhorst.

Nothaima Cameron, Jour. Bombay Nat. Hist. Soc., 1902, 14: 429.

Genotype: (*Nothaima bicarinata* Cameron) = *crassicornis* Gravenhorst.

Hyperacmus crassicornis (Gravenhorst) †

Exochus crassicornis Gravenhorst, Ichneum. Europeae, 1829, 2: 347. ♀. [o.d., Volhynia, Europe (?Breslau Mus.)]

Hyperacmus crassicornis Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 322.
♀. [des., Sweden]

Subfamily 8. ORTHOCENTRINAE

ORTHOCENTRUS Gravenhorst

Orthocentrus Gravenhorst, Ichneum. Europeae, 1829, 3: 358.

Genotype: (*Orthocentrus fulvipes* Gravenhorst) = *anomalus* Gravenhorst.

* In the Townes Collection is a male, apparently of this species, from Cap Bon Ami, Gaspé, Que., collected Aug. 19, 1936 by Dr. E. G. Fisher.

† In the Townes Collection is a female of this species from Rock City, Cattaraugus Co., N.Y. collected July 1, 1916.

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Tapinops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: (*Orthocentrus californicus* Ashmead) = *pusillus* Walsh.

Atmetus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: *Atmetus tetrazonatus* Ashmead.

Phaenosemus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: *Phaenosemus silkensis* Ashmead.

Exochiscus Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 96.

Genotype: *Exochiscus pusillus* Walsh.

Pachyonyx Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 100. Preoccupied by Schoenherr, 1837.

Genotype: *Pachyonyx trifasciatus* Walsh.

***Orthocentrus decoratus* new name.**

Atmetus californicus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. ♀. [o.d., Santa Cruz Mts., Calif. (U.S.N.M.)] Preoccupied in *Orthocentrus* by Ashmead, 1890.

Atmetus californicus Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. ♀. [key, des., Calif.]

***Orthocentrus lucens* Provancher**

Orthocentrus lucens Provancher, Nat. Canad., 1879, 11: 280; (Faune p. 435). ♀. [key, o.d., Cap Rouge, Que. (type lost)]

Orthocentrus lucens Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♀. [key, des.]

***Orthocentrus protuberans* Holmgren**

Orthocentrus protuberans Holmgren, Svensk. Vet.-Akad. Handl., 1856, 1: 333. ♂, ♀. [o.d., Lappland, Sweden (?Stockholm Mus.)]

Atmetus insularis Ashmead, Fur Seals and Fur-seal Islands, 1899, 4: 337. ♂. [o.d., Copper Is., Alaska (U.S.N.M.)] Preoccupied in *Orthocentrus* by Ashmead, 1894.

Atmetus insularis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 231. ♂. [des., Alaska]

Orthocentrus protuberans Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 352. [syn., Sweden]

***Orthocentrus pusillus* (Walsh) new combination**

Exochiscus pusillus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 97. ♀ (not ♂). [o.d., (?Ill.) (type destroyed)]

Alomya abdominalis Provancher, Nat. Canad., 1875, 7: 121. ♂, ♀. [o.d., Que. (M.P.Q.)]

- Orthocentrus Canadensis* Provancher, Nat. Canad., 1875, 7: 142. ♂. [o.d., Que. (M.P.Q.)] New synonymy.
- Orthocentrus Canadensis* Provancher, Nat. Canad., 1879, 11: 279; (Faune p. 435). [key, des.]
- Orthocentrus abdominalis* Provancher, Nat. Canad., 1879, 11: 280; (Faune p. 435). [key, des.]
- Orthocentrus abdominalis* Provancher, Nat. Canad., 1887, 16: 46. [Que.]
- Orthocentrus californicus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 442. ♀. [o.d., Placer Co., Calif., (U.S.N.M.)]
- Tapinops californicus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. [syn.]
- Tapinops emarginatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. ♂, ♀. [syn., des., Calif., Canada, Ill., Mass., Mich., N.H., Ore. (misdetermined)]
- Orthocentrus medialis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)] New synonymy.
- Orthocentrus canadensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♂. [key, des., Canada, Ill., Mich.]
- Camerotops asperus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)] New synonymy.
- Camerotops aspera* Dalla Torre, Cat. Hymen., 1901, 3: 225. [syn.]
- Tapinops californicus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 230. [syn., des.]
- Orthocentrus canadensis* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Orthocentrus canadensis* Slosson, Ent. News, 1906, 17: 324. [N.H.]
- Orthocentrus canadensis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Tapinops pusilla* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Tapinops pusillus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]
- Orthocentrus abdominalis* Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host a, Que.]
- Orthocentrus canadensis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]
- Tapinops pusillus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]
- DIPRIONIDAE: a, *Diprion hercyniae*.

***Orthocentrus repentinus* Holmgren**

- Orthocentrus repentinus* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 1: 327. ♂, ♀. [o.d., Lappland, Sweden (?Stockholm Mus.)]
- Orthocentrus repentinus* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 284. [des., Greenland]

***Orthocentrus rugulosus* (Provancher) new combination**

- Glypta rugulosa* Provancher, Nat. Canad., 1883, 14: 14; (Faune p. 801). ♀ (not ♂). [o.d., Que. (M.P.Q.)]
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Orthocentrus sitkensis (Ashmead) new combination

Phaenosemus sitkensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 231. ♂.
[o.d., Sitka, Alaska (U.S.N.M.)]

Orthocentrus stigmatias (Walsh)

Pachyonyx stigmatias Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 101. ♂ (not ♀), [(?Ill.) (type destroyed)]

Orthocentrus stigmatias Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 101.
[syn.]

Stenomacrus? *stigmatias* Davis, Trans. Amer. Ent. Soc., 1897, 24: 225. ♀.
[key, des.]

Orthocentrus tetrazonatus (Ashmead) new combination

Atmetus tetrazonatus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. ♀.
[o.d., West Cliff, Colo. (U.S.N.M.)]

Atmetus carinatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♂, ♀.
[key, syn., des., Canada, Colo., Ill., Mich. (in part)]

Atmetus tetrazonatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Orthocentrus trifasciatus (Walsh)

Pachyonyx trifasciatus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 100. ♂, ♀.
[o.d., (?Ill.) (type destroyed)]

Orthocentrus trifasciatus Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 100.
[syn.]

Orthocentrus trifasciatus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Orthocentrus trifasciatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♂, ♀.
[key, des.]

PICROSTIGEUS Foerster*

Picrostigeus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Orthocentrus* (*Picrostigeus*) *setiger* Thomson.

NEURATELES Ratzeburg

Neurateles Ratzeburg, Ichneum. Forstins. 1848, 2: 86.

Genotype: *Neurateles papyraceus* Ratzeburg.

Neurateles leucopsis (Ashmead)

Orthocentrus leucopsis Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 24. ♂. [o.d.,
Brush Creek, Colo. (U.S.N.M.)]

Neurateles leucopsis Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂. [des.]

* An undescribed Nearctic species of this genus is in the Townes Collection.

MNESIDACUS Foerster

Mnesidacus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: (*Mnesidacus apicalis* Ashmead) = *nigricoxus* Provancher.

Mnesidacus nigricoxus (Provancher) new combination

Orthocentrus nigricoxus Provancher, Addit. Faune Canada, Hymén., 1888, p. 369. ♀. [o.d., Ottawa, Ont. (type lost)]

Mnesidacus (!) *apicalis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 202. *♀. [o.d., Washington, D.C. (U.S.N.M.)]

Atmetus nigrinus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. ♀. [o.d., Columbus, Ohio (U.S.N.M.)] New synonymy.

Atmetus nigrinus Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. ♀. [key, des., Ill., Ohio]

Orthocentrus nigricoxus Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♂, ♀. [key, syn., des., Canada, D.C., Ill.]

Deleter flavifrons Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. ♂. [o.d., Alaska (U.S.N.M.)] New synonymy.

Orthocentrus nigrinus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 231. ♂. [o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Orthocentrus nigricoxus Nason, Ent. News, 1905, 16: 169. [Ill.]

Atmetus nigrinus Nason, Ent. News, 1905, 16: 169. [Ill.]

Orthocentrus nigricoxus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 305. ♂, ♀. [des.]

STENOMACRUS Foerster

Synoplus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159. New synonymy.

Genotype: *Synoplus brevipennis* Ashmead.

Hypoleptus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Hypoleptus columbianus* Ashmead.

Deleter Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: (*Deleter obscurus* Davis) = *americanus* Ashmead.

Stenomacrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160.

Genotype: *Orthocentrus silvaticus* Holmgren.

Camarotops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160.

Genotype: *Neuratelus ulmicola* Ashmead.

Stenomacrus alaskensis (Ashmead) new combination

Hypoleptus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 227. ♂, ♀. [o.d., Alaska (U.S.N.M.)]

Hypoleptus glacialis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 228. ♂, ♀. [o.d., Muir Inlet, Alaska (U.S.N.M.)] New synonymy.

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Stenomacrus americanus (Ashmead) new combination

Neuratelus americanus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♀.
[o.d., Fredericktown, Md. (U.S.N.M.)]

Deleter obscurus Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂. [key, o.d.,
Ill. (A.N.S.P.), Mich.] New synonymy.

Camerotops americanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♀.
[key, des.]

Camerotops americana Dalla Torre, Cat. Hymen., 1901, 3: 225. [syn.]

Neurateles americana Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229, 232.
[syn.]

Deletar (!) *obscurus* Nason, Ent. News, 1905, 16: 168. [Ill.]

Stenomacrus borealis Ashmead

Stenomaerus (!) *borealis* Ashmead, Fur Seals and Fur-seal Is., 1899, 4: 338. ♀.
[o.d., Bering Is., Alaska (U.S.N.M.)]

Stenomaerus (!) *borealis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 232.
[Alaska]

Stenomacrus borealis? Brues, Canad. Arctic Exped. 1913-18, 1919, 3, G: 33.
[Hershel Is., Yukon Territory]

Stenomacrus brevipennis (Ashmead) new combination

Synoplus brevipennis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 226. ♀.
[o.d., fig., St. Paul Is., Alaska (U.S.N.M.)]

Synoplus pleuralis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 227. ♀. [o.d.,
St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Stenomacrus columbianus (Ashmead) new combination

Hypoleptus columbianus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♂.
[o.d., D.C. (U.S.N.M.)]

Hypoleptus columbianus Davis, Trans. Amer. Ent. Soc., 1897, 24: 220. ♂.
[des.]

Hypoleptus columbianus Slosson, Ent. News, 1897, 8: 237. [N.H.]

Stenomacrus dubiosus (Ashmead) new combination

Neurateles dubiosus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 228. ♂. [o.d.,
St. Paul Is., Alaska (U.S.N.M.)]

Stenomacrus hastatus Davis

Stenomacrus hastatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 225. ♀. [key,
o.d., Siskiyou Co., Calif. (U.S.N.M.)]

Stenomacrus hastatus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

Stenomacrus hygrotrechus (Viereck) new combination

Brephoctonus hygrotrecha Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
305. ♂, ♀. [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)]

Stenomacrus intritus Davis

Stenomacrus intritus Davis, Trans. Amer. Ent. Soc., 1897, 24: 225. ♂. [key, o.d., Canada (U.S.N.M.)]

Stenomacrus kincaidi (Ashmead) new combination

Deleter kincaidi Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. ♂, ♀. [o.d., Belkofski, Alaska (U.S.N.M.)]

Stenomacrus kodiakensis (Ashmead) new combination

Camarotops kodiakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 232. ♀. [o.d., Kodiak, Alaska (U.S.N.M.)]

Stenomacrus laticollis (Holmgren)

Orthocentrus laticollis Holmgren, Ent. Tidskr., 1883, 4: 158. ♀. [o.d., Jugor Scharr, Vaigach Is., Russia (?Stockholm Mus.)]

Orthocentrus sp. Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15, pt. 4, no. 1: 29. [Greenland]

Orthocentrus sp. Lundbeck, Vidensk. Midd. Nat. For. København, (1896), 1897, p. 232. [des., Greenland]

Stenomacrus laticollis Roman, Archiv för Zoologi, 1916, 10, no. 22: 10. ♂, ♀. [syn., des., Greenland]

Stenomacrus mellipes (Provancher) new combination

Bassus mellipes Provancher, Addit. Faune Canada, Hymén., 1888, p. 429. ♀. [o.d., St. Gertrude, Que. (M.P.Q.)]

Syrphoctonus mellipes Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♀. [key, des.]

Brephoctonus californicus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 202. ♂. [o.d., Mountain View, Calif. (U.S.N.M.)] New synonymy.

Brephoctonus californicus Davis, Trans. Amer. Ent. Soc., 1897, 24: 220. ♂. [des.]

Camarotops premitus Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♀ (not ♂). [key, o.d., Mich. (A.N.S.P.)] New synonymy.

Phaenosemus alticola Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

Camarotops premita Dalla Torre, Cat. Hymen., 1901, 3: 225. [syn.]

Phaenosemus alticola Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Stenomacrus alticola Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 27. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

"*Bassus*" *mellipes* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

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Stenomacrus monticola (Cushman) new combination

Hypoleptus monticola Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

Hypoleptus monticola Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Hypolepus (!) *alticola* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Hypoleptus monticola Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 16. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Stenomacrus terebrator Roman

Stenomacrus terebrator Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 608. ♀. [o.d., Jameson Land, Greenland (?Stockholm Mus.)]

Stenomacrus ulmicola (Ashmead) new combination

Brephoctonus flavosus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 202. ♂. [o.d., Jacksonville, Fla. (U.S.N.M.)]

Neurateles ulmicola Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♀. [o.d., host *b*, Columbus, Ohio (U.S.N.M.)]

Neurateles liriodendri Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♂, ♀. [o.d., host *a*, D.C. (U.S.N.M.)]

Camerotops ulmicola Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♂, ♀. [key, syn., des.]

Neuroteles ulmicola Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. [syn.]

Neuroteles liriodendri Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. [syn.]

Brephoctonus flavosus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. [syn.]

TINEIDAE: *a*, tineid larva on *Liriodendron tulipifera*. GRACILARIIDAE: *b*, ?*Cameraria ulmella*.

Stenomacrus undulatus (Davis) new combination

Deleter undulatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂, ♀. [key, o.d., Ill. (A.N.S.P.), Mich.]

Deleter (!) *undulatus* Nason, Ent. News, 1905, 16: 168. [Ill.]

Deleter undulatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

Deleter undulatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Deleter undulatus MacAloney, Bull. N.Y. State Col. Forestry, 1930, vol. 3, no. 1 (Tech. Pub. no. 28): 50. [host *a*]

Miscellaneous: *a*, Diptera.

LEIPAULUS new genus

This generic name is proposed for *Deleter* of authors, not of the genotype. It differs from all other Orthocentrinae except *Neurateles* in that it lacks the prepectal carina. From *Neurateles* it differs in having the face and clypeus in

the same contour and strongly bulging as is typical for the subfamily, and the abdomen of the female less strongly compressed. In *Neurateles* the face is rather flat and the clypeus somewhat protuberant. The abdomen of the female of *Neurateles* beyond the second segment is strongly compressed, blade-like.

Genotype: *Deleter suffuscus* Davis.

***Leipaulus suffuscus* (Davis) new combination**

Deleter suffuscus Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂. [key, o.d., N.H. (U.S.N.M.)]

Deleter suffuscus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Subfamily 9. DIPLAZONINAE

DIPLAZON Nees

Bassus of authors, not of the genotype.

Diplazon Nees, Nov. Acta Acad. Nat. Curios, 1818, 9: 292.

Genotype: *Ichneumon laetatorius* Fabricius.

***Diplazon annulatus* (Gravenhorst)**

Bassus annulatus Gravenhorst, Ichneum. Europeae, 1829, 3: 348. ♀. [o.d., "circa Trajectum ad Moenum captam," Europe (?Breslau Mus.)]

Bassus annulatus Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 10. [des., Greenland]

Diplazon annulatus Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 609. [des., Greenland]

***Diplazon laetatorius* (Fabricius)**

Ichneumon laetatorius Fabricius, Species Insectorum, 1781, 1: 424. (♀). [o.d., Germany (location of type unknown)]

Anomalon attractus Say, Boston Jour. Nat. Hist., 1836, 1: 241; (Leconte Ed. 2: 696). ♀. [o.d., Ind. (type destroyed)]

Bassus sycophanta Cresson, Trans. Amer. Ent. Soc., 1868, 2: 112. ♂, ♀. [o.d., Conn., Del., Ill., N.Y., Pa. (type probably at A.N.S.P.)]

Bassus sycophanta Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. [Tex.]

Bassus tripicticus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 85. ♂, ♀. [o.d. (?Ill.) (type destroyed)]

Bassus sycophanta var. *tripicticus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 85. [syn.]

Bassus sycophanta Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 86. ♀. [des.]

Bassus sycophanta Provancher, Nat. Canad., 1874, 6: 31, 56. [key, Que.]

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- Bassus sycophanta* Provancher, Nat. Canad., 1879, 11: 276; (Faune p. 431).
[key, des., fig.]
- Bassus sycophanta* Provancher, Nat. Canad., 1887, 16: 24. [Que.]
- Bassus sycophanta* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Bassus sycophanta* Cook, Ann. Rpt. Mich. Agr. Exp. Sta., 1891, 4: 132. [des., fig., biol., host *k*, Conn., Del., Ill., Mich., N.Y., Pa.]
- Bassus sycophanta* Riley and Howard, Insect Life, 1891, 3: 460. [host *w*]
- Bassus laetatorius* (!) Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Bassus laetatorius* var. *sycophanta* Davis, Trans. Amer. Ent. Soc., 1895, 22: 19.
[key, des.]
- Bassus laetatorius* Davis, Trans. Amer. Ent. Soc., 1895, 22: 19. ♂, ♀. [key, syn., des., "common and widespread"]
- Bassus laetatorius* var. *terminalis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 19.
♀. [key, o.d., Wash. (A.N.S.P.)]
- Bassus laetatorius* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Bassus sycophanta* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Bassus laetatorius* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579.
[N.J.]
- Bassus laetorius* (!) Johnson, Canad. Ent., 1900, 32: 59. [fig., host *v*]
- Bassus laetatorius* (!) Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [Ariz.]
- Bassus laetatorius* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Bassus laetatorius* var. *sycophanta* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Bassus laetatorius* var. *tripicticus* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Bassus laetatorius* (!) Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Bassus laetatorius* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 622. [N.J.]
- Bassus laetatorius* Roman, Ent. Tidskr., 1910, 31: 149. ♂. [des., Tex.]
- Bassus laetatorius* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 125. [key, syn., Mexico]
- Diplazon laetatorius* Kelley, Jour. Econ. Ent., 1914, 7: 294-297. [biol., host *a d f g k*, Ariz., Calif., Ind., Kans., Tex.]
- Bassus tripicticus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Diplazon laetatorius* McGregor and McDonough, Bull. U. S. Dept. Agr., 1917, 416: 53. [host *v*]
- Diplazon sycophanta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 303.
♂, ♀. [des., Conn.]
- Diplazon laetatorius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 303.
♀. [des., Conn.]
- Diplazon laetatorius* Hauser, Guyton, and Lowry, Bull. Ohio Agr. Exp. Sta., 1917, 317: 80. [biol., host *v*, Ohio]
- Anomalon lactatorius* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]
- Eioplazon* (!) *laetatorius* Davidson, Canad. Ent., 1919, 51: 236. [host *c*, Calif.]
- Diplazon laetatorius* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 154.
[syn., des., Tex.]

- Diplazon laetatorius* Campbell and Davidson, Bull. So. Calif. Acad. Sci., 1924, 23: 9. [host *f*, Calif.]
- Diplazon laetatorius* Kamal, Jour. Econ. Ent., 1926, 19: 724, 727. [biol., host *a b d f h k l n p*, Calif.]
- Diplazon laetatorius* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Diplazon laetatorius* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 44. [biol.]
- Diplazon laetatorius* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]
- Diplazon laetatorius* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Diplazon laetatorius* Poos, Proc. Ent. Soc. Wash., 1928, 30: 150. [host *b k*, Va.]
- Diplazon laetatorius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]
- Diplazon laetatorius* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 23, 42. [fig., host *b k o p q*]
- Diplazon laetatorius* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]
- Diplazon laetatorius* Schopp, Jour. Kans. Ent. Soc., 1931, 4: 35. [Kans.]
- Diplazon laetatorius* Cole, Jour. Econ. Ent., 1933, 26: 862. [host *e*, Calif.]
- Diplazon laetatorius* Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 19, 99, 100. [biol., host *b d i j k m n p s t u*, Ill.]
- Diplazon laetatorius* Brimley, Insects of N.C., 1938, p. 413. [N.C.]
- Diplazon laetatorius* Telford, Tech. Bull. Minn. Agr. Exp. Sta., 1939, 140: 10. [host *k s*, Minn.]
- Diplazon laetatorius* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

SYRPHIDAE: *a*, *Allograpta exotica*; *b*, *Allograpta obliqua*; *c*, *Allograpta* sp.; *d*, *Baccha clavata*; *e*, *Baccha lemur*; *f*, *Eupeodes volucris*; *g*, *Mesogramma polita*; *h*, *Mesogramma* sp.; *i*, *Metasyrphus perplexus*; *j*, *Metasyrphus vinelandi*; *k*, *Metasyrphus wiedemanni*; *l*, *Metasyrphus* sp.; *m*, *Paragus bicolor*; *n*, *Paragus tibialis*; *o*, *Platycheirus erraticus*; *p*, *Sphaerophoria cylindrica*; *q*, *Sphaerophoria robusta*; *r*, *Syrphus rectus*; *s*, *Syrphus ribesii*; *t*, *Syrphus ribesii vittafrons*; *u*, *Syrphus torvus*; *v*, syrphid. Miscellaneous: *w*, gall on *Quercus* sp.

***Diplazon pectoratorius* (Thunberg) new combination**

- Ichneumon pectoratorius* Thunberg, Mém. Acad. Sci. Pétersbourg, 1822, 8: 280. [o.d. (?Sweden) (Upsala Mus.)]
- Bassus pulchripes* Provancher, Nat. Canad., 1875, 7: 143, 144. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.
- Polysphincta pleuralis* Provancher, Nat. Canad., 1875, 7: 312. ♂. [o.d., Que. (M.P.Q.)]
- Bassus pulchripes* Provancher, Nat. Canad., 1879, 11: 273; (Faune p. 428). ♂, ♀. [key, syn., des.]
- Bassus pulchripes* Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, des., Colo., Ont., N.H.]

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Bassus pulchripes Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Bassus pulchripes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. [Alaska]

Bassus pectoratorius Roman, Zool. Bidrag Uppsala, 1912, 1: 271, 290. [syn.]

Diplazon pulchripes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Diplazon pulchripes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Diplazon pulchripes Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

***Diplazon scutellaris* (Cresson)**

Bassus scutellaris Cresson, Trans. Amer. Ent. Soc., 1868, 2: 112. ♂, ♀. [o.d., Ill. (A.N.S.P.)]

Bassus scutellaris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 84. ♂, ♀. [des.]

Bassus scutellaris Provancher, Addit. Faune Canada, Hymén., 1886, p. 112. [des., Que.]

Bassus scutellatus (!) Riley and Howard, Insect Life, 1891, 3: 460. [host *a*, Ala.]

Bassus scutellaris Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, des., Ga., Ill., Mich., Ont., Ore., Va.]

Bassus scutellaris Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Bassus scutellaris Nason, Ent. News, 1905, 16: 169. [Ill.]

Diplazon scutellaris Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Diplazon scutellaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Diplazon scutellaris Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Diplazon scutellaris Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99, 100. [host *b c d e*, Ill.]

NOCTUIDAE: *a*, *Cirphis unipuncta*. SYRPHIDAE: *b*, *Allograpta obliqua*; *c*, *Baccha clavata*; *d*, *Metasyrphus vinelandi*; *e*, *Sphaerophoria cylindrica*.

***Diplazon tetragonus* (Thunberg) new combination**

Ichneumon tetragonus Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 280. [o.d. (?Sweden) (Upsala Mus.)]

Bassus nemoralis Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 354. ♂, ♀. [o.d., Sweden (?Stockholm Mus.)]

Bassus concinnus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Conn. (A.N.S.P.)] New synonymy.

Bassus amoenus Provancher, Nat. Canad., 1874, 6: 31, 55. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Bassus albicoxis Provancher, Nat. Canad., 1874, 6: 31, 56. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Bassus concinnus Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, des., Conn., Mass.]

Bassus tetragonus Roman, Zool. Bidrag Uppsala, 1912, 1: 282, 290. [syn.]

Diplazon concinnus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 303. ♀. [des.]

bassus nemoralis Johnson and Ledig, Jour. Ent. Zool., 1918, 10: 23. [Calif.]

Diplazon concinnus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Diplazon concinnus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Diplazon concinnus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Diplazon tibiatorius (Thunberg) new combination

Ichneumon tibiatorius Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 280. [o.d. (?Sweden) (Upsala Mus.)]

Bassus orbitalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 272. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Bassus cinctulus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 375. ♂, ♀. [o.d., Calif. (A.N.S.P.)]

Bassus orbitalis Provancher, Nat. Canad., 1879, 11: 273; (Faune p. 429). ♂, ♀. [key, syn., des.]

Bassus orbitalis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 439. ♀. [o.d., host c, Alameda, Calif. (U.S.N.M.)] Preoccupied by Cresson, 1865.

Bassus orbitalis Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, syn., des., Calif., Colo., Mont., Nev., N.H., N.Y., Ont., Ore.]

Bassus orbitalis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Bassus tibiatorius Roman, Zool. Bidrag Uppsala, 1912, 1: 283, 290. [syn.]

Diplazon orbitalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 304. ♂, ♀. [des.]

Bassus orbitalis Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Alta.]

Diplazon orbitalis Kamal, Jour. Econ. Ent., 1926, 19: 725, 728. [biol., host a b, Calif.]

Diplazon orbitalis Brimley, Insects of N.C., 1938, p. 413. [N.C.]

SYRPHIDAE: a, *Eupeodes volucris*; b, *Sphaerophoria cylindrica*; c, *Syrphus* sp.

ZOOTREPHUS Thomson

Zootrephus Thomson, Opusc. Ent., 1890, 14: 1486.

Genotype: (*Bassus holmgreni* Bridgman) = *rufiventris* Gravenhorst.

Zootrephus bizonarius (Gravenhorst) new combination

Bassus bizonarius Gravenhorst, Ichneum. Europeae, 1829, 3: 350. ♂. [o.d. (numerous localities in central Europe) (?Breslau Mus.)]

Bassus saginatus Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 432). ♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

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Zootrepes saginatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♂, ♀.
[key, des., Canada, N.H.]

Zootrepes inconstans (as *Zootrepes maudae* in key) Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♂, ♀. [key, o.d., Wash. (A.N.S.P.), Colo., Mass., Nev.] New synonymy.

Zootrepes inconstans Nason, Ent. News, 1905, 16: 169. [Ill.]

Zootrepes saginatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137.
[Me.]

Zootrepes maudae Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Zootrepus ichneumonoides* (Provancher) new combination**

Bassus ichneumonoides Provancher, Nat. Canad., 1874, 6: 31, 57. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Bassus ichneumonoides Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 432).
[key, syn., des.]

Bassus ichneumonoides Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Bassus scapulatus Provancher, Nat. Canad., 1883, 14: 11; (Faune p. 798). ♀.
[key, o.d., Que. (M.P.Q.)] New synonymy.

Bassus ichneumonoides Provancher, Nat. Canad., 1883, 14: 11; (Faune p. 798).
[key]

Bassus cingulatus Provancher, Nat. Canad., 1883, 14: 11; (Faune p. 798). ♀.
[key, o.d., Que. (M.P.Q.)] New synonymy.

Zootrepes scapulatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 22. ♀. [key, des.]

Zootrepes ichneumonoides Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♀.
[key, des.]

Zootrepes cingulatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 24. ♂, ♀.
[key, des., N.H.]

Zootrepes similis Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 52. ♀. [o.d., Beulah, N.M. (Milwaukee Pub. Mus.)] New synonymy.

***Zootrepus rufiventris* (Gravenhorst)**

Bassus rufiventris Gravenhorst, Ichneum. Europeae, 1829, 3: 312. [o.d., Warmbrunn and Norimberg, Germany (?Breslau Mus.)]

Zootrepus rufiventris Thomson, Opusc. Ent., 1890, 14: 1488. ♀. [des., Sweden]

Zootrepes antennatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♂, ♀.
[key, o.d., North Ill. (A.N.S.P.), Mich., Mont., S.D.] New synonymy.

Zootrepes rufiventris Dalla Torre, Cat. Hymen., 1901, 3: 241. [syn.]

Diplazon (*Zootrepes*) *antennatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 304. ♀. [des., Conn.]

Zootrepes antennatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Zootrephes antennatus Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42.
[host a]

SYRPHIDAE: a, *Platycheirus erraticus*.

PROMETHES Foerster

Promethes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus sulcator* Gravenhorst.

Liopsis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus sulcator* Gravenhorst.

Promethus Thomson, Opusc. Ent., 1890, 14: 1465, 1475.

Genotype: *Bassus sulcator* Gravenhorst.

Sussaba Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 728.

Genotype: (*Sussaba bicarinata* Cameron) = *pulchellus* Holmgren.

Promethes cultriformis (Ashmead) new combination

Trematopygus? cultriformis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 441. ♀.
[o.d., Neb. (U.S.N.M.)]

Promethus ruficrus Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. ♀. [key,
des., Ill.] Misdetermined.

Promethus ruficrus Davis, Trans. Amer. Ent. Soc., 1898, 24: 347. [syn. (in
part)]

Promethus ruficrus Nason, Ent. News, 1905, 16: 169. [Ill.] Misdetermined.

Promethes ruficrus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
950. [N.Y.] Misdetermined.

Promethes ruficrus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.
2: 103. [Mass.] Misdetermined.

Promethes elongatus (Provancher)

Bassus elongatus Provancher, Nat. Canad., 1874, 6: 31, 54. ♂, ♀. [key, o.d.,
Que. (M.P.Q.)]

Bassus ichneumonoides var. *elongatus* Provancher, Nat. Canad., 1879, 11: 277;
(Faune p. 433). [des.]

Bassus elongatus Provancher, Nat. Canad., 1883, 14: 12; (Faune p. 799). [key,
des.]

Promethus elongatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. ♂, ♀.
[key, des., Canada, Mich., N.H.]

Otoblastus erodens Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♂, ♀. [key,
o.d., Colo. (A.N.S.P.), Wyo.] New synonymy.

Promethus elongatus Slosson, Ent. News, 1898, 9: 253. [N.H.]

Promethes elongatus Dalla Torre, Cat. Hymen., 1901, 3: 243. [syn.]

Bioblapsis tricineta Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. ♂. [o.d.,
Berg Bay, Alaska (U.S.N.M.)] New synonymy.

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Promethes uncinatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. ♀. [o.d., Kukak Bay, Alaska (U.S.N.M.)] New synonymy. Ashmead's "type" is a head of one species and thorax of another. The thorax is hereby selected lectotype.

Promethus elongatus Nason, Ent. News, 1905, 16: 169. [Ill.]

Promethes albicoxis Slosson, Ent. News, 1906, 17: 324. [Mt. Washington, N.H.]
Nomen nudum.

Promethes rohweri Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 51. ♂, ♀. [o.d., Florissant, Colo. (Milwaukee Pub. Mus.)] New synonymy.

Promethes elongatus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 25.
[syn. (in part)]

Promethes elongatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.
[Me.]

Promethes elongatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Promethes uncinatus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Promethes elongatus Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host
a b]

SYRPHIDAE: a, *Platycheirus erraticus*; b, *Sphaerophoria robusta*.

***Promethes sulcator* (Gravenhorst)**

Bassus sulcator Gravenhorst, Ichneum. Europeae, 1829, 3: 320. ♂, ♀.
[o.d., numerous localities in central Europe (?Breslau Mus.)]

Bassus costalis Provancher, Nat. Canad., 1874, 6: 31, 58. ♀. [key, o.d., Que.
(M.P.Q.)] New synonymy.

Bassus costalis Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 432). [key,
des.]

Bassus longicornis Provancher, Nat. Canad., 1883, 14: 12; (Faune p. 799).
♀. [key, o.d., Que. (M.P.Q.)]

Bassus aciculatus Provancher, Addit. Faune Canada, Hymén., 1888, p. 368.
♀. [o.d., St. Gertrude, Que. (M.P.Q.)]

Bassus auriculatus Provancher, Addit. Faune Canada, Hymén., 1888, p. 429.
♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

Promethus costalis Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. ♂, ♀. [key,
syn., des., Canada, Mont., N.H., Wash.]

Promethus costalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579.
[N.Y.]

Promethes costalis Dalla Torre, Cat. Hymen., 1901, 3: 242. [syn.]

Promethes sulcator Dalla Torre, Cat. Hymen., 1901, 3: 244. [syn.]

Promethes costalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.
♀. [des.]

Promethes costalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Promethes costalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Promethes costalis Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host a]
Promethes costalis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters,
 1939, 16: 62. [Ut.]

SYRPHIDAE: a, *Sphaerophoria robusta*.

SYRPHOCTONUS Foerster

Syrphoctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus biguttatus* Gravenhorst.

Homoporus Thomson, Opusc. Ent., 1890, 16: 1488. Preoccupied by Thomson,
 1878.

Genotype: *Homotropus elegans* Gravenhorst. Selected automatically by
 Viereck when he selected this species as the genotype of *Homocidus*,
 Proc. Ent. Soc. Wash., 1912, 14: 175.

Homocidus Morley, Brit. Ichneum., 1911, 4: 87. New name for *Homoporus*
 Thomson.

Syrphoctonus agilis (Cresson)

Bassus agilis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♂. [o.d., Ill.
 (A.N.S.P.), Conn.]

Bassus frontalis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Ill.
 (A.N.S.P.), Conn., Pa.]

Bassus frontalis Provancher, Nat. Canad., 1879, 11: 274; (Faune p. 429). [key,
 des.]

Bassus agilis Provancher, Nat. Canad., 1879, 11: 275; (Faune p. 430). [key,
 des.]

Mesoleius junctus Provancher, Nat. Canad., 1883, 14: 10; (Faune p. 797). ♂.
 [o.d., Que. (M.P.Q.)]

Mesoleius junctus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105.
 [key]

Bassus agilis Riley and Howard, Insect Life, 1891, 3: 460. [host e]

Bassus frontalis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Syrphoctonus agilis Davis, Trans. Amer. Ent. Soc., 1895, 22: 25. ♂, ♀. [key,
 syn., des., Ill., Mass., Mich., N.H., N.J., N.C., Ont., Pa., S.D.]

Syrphoctonus agilis Harrington, Canad. Ent., 1897, 29: 45. [B.C.]

Bassus frontalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

Syrphoctonus agilis Nason, Ent. News, 1905, 16: 169. [Ill.]

Homocidus frontalis Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 134. [syn.]

Syrphoctonus agilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.

♂. [des., Conn.]

Diplazon frontalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.

♀. [des.]

Syrphoctonus agilis Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Syrphoctonus agilis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.
 [Me.]

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Syrphoctonus agilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Syrphoctonus agilis Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host a b c d]

Syrphoctonus agilis Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]

Syrphoctonus agilis Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99, 100. [host a b c, Ill.]

Syrphoctonus agilis Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Homotropus agilis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

SYRPHIDAE: a, *Allograpta obliqua*; b, *Metasyrphus wiedemanni*; c, *Sphaerophoria cylindrica*; d, *Sphaerophoria robusta*; e, syrphid.

***Syrphoctonus alaskensis* (Ashmead) new combination**

Homotropus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 226. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)]

***Syrphoctonus albopictus* (Davis) new combination**

Homotropus bicapillaris var. *albopictus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♂, ♀. [key, o.d., Colo. (A.N.S.P.), Canada, Mich., Wash.]

Homotropus bicapillaris var. *albopictus* Nason, Ent. News, 1905, 16: 169. [Ill.]

Homotropus bicapillaris var. *albopictus* Washburn, Rpt. State Ent. Minn., 1908, 12: 131. [host b, Minn.]

Homotropus bicapillaris var. *albopictus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Homotropus albopictus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Homotropus bicapillaris var. *albopictus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Homotropus bicapillaris var. *albopictus* Fluke, Trans. Wis. Acad. Sci. Arts Letters, 1931, 26: 293. [biol., host a, Wis.]

SYRPHIDAE: a, *Metasyrphus emarginatus*. ANTHOMYIDAE: b, *Pegomya brassicae*.

***Syrphoctonus belangerii* (Provancher) new combination**

Bassus Belangerii Provancher, Nat. Canad., 1874, 6: 31, 56. ♀. [key, o.d., Que. (M.P.Q.)]

Bassus Belangerii Provancher, Nat. Canad., 1879, 11: 275; (Faune p. 430). [key, des.]

Homotropus bicapillaris Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♂, ♀. [key, syn., des., Canada, Colo., Ill., N.H. (in part)]

?*Diplazon* (*Homotropus*) *bicapillaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 304. ♀. [des., Conn.]

***Syrphoctonus compressiventris* (Cresson) new combination**

Tryphon compressiventris Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. ♂, ♀. [o.d., Mass. (A.N.S.P.), Conn.]

Zootrephes montanus Davis, Trans. Amer. Ent. Soc., 1895, 22: 24. ♂, ♀.
[key, o.d., Mont. (A.N.S.P.), Mich., Nev.]

Otoblastus compressiventris Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♂, ♀.
[key, des., Canada, Colo., Mass., Mich.]

Zootrephes montanus Nason, Ent. News, 1905, 16: 169. [Ill.]

Otoblastus compressiventris Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 296. ♀. [des.]

Zootrephes compressiventris Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30.
[syn.]

Zootrephes compressiventris Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Zootrephes compressiventris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Zootrephes compressiventris Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42.
[host a]

SYRPHIDAE: a, *Platycheirus erraticus*.

Syrphoctonus cressonii Davis

Syrphoctonus cressonii Davis, Trans. Amer. Ent. Soc., 1895, 22: 27. ♀. [key, o.d., Nev. (A.N.S.P.)]

Syrphoctonus cultiformis (Davis) new combination

Otoblastus cultiformis Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♀. [key, o.d., Colo. (A.N.S.P.)]

Zootrephes bicoloripes Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Zootrephes cultiformis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30.
[syn., des.]

Syrphoctonus decoratus (Cresson) new combination

Bassus decoratus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 375. ♂. [o.d., Calif. (A.N.S.P.)]

Homotropus decoratus Davis, Trans. Amer. Ent. Soc., 1895, 22: 29. ♂, ♀.
[key, des., Calif., Nev.]

Homotropus decoratus Kamal, Jour. Econ. Ent., 1926, 19: 723, 727. [biol., host a b c, Calif.]

Homotropus decoratus Flanders, Pan-Pacific Ent., 1926, 2: 158. [Calif.]

Homotropus decoratus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

SYRPHIDAE: a, *Eupeodes volucris*; b, *Metasyrphus* sp.; c, *Sphaerophoria cylindrica*.

Syrphoctonus elegans var. **nigritarsus** (Gravenhorst) new combination

(*Bassus elegans* Gravenhorst, Ichneum. Europeae, 1829, 3: 313. ♂. [o.d., Warmbrunn, Germany (?Breslau Mus.)])

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- Bassus nigratarsus* Gravenhorst, Ichneum. Europeae, 1829, 3: 338. ♀. [o.d., Tauria (Europe) (?Breslau Mus.)]
Homotropus elegans var. *nigratarsis* (!) Roman, Arkiv för Zoologi, 1916, 10, no. 22: 10. ♂, ♀. [des., Greenland, Europe]
Homotropus elegans Hendriksen and Lundbeck, Meddel om Grønland, 1918, 22: 530. [syn. (in part), Europe, Greenland]
Homotropus elegans nigratarsus Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 285. [syn., Greenland]
Homotropus elegans nigratarsus Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11. [Greenland]
Homotropus elegans nigratarsus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [des., Greenland]

Syrphoctonus foutsii Cushman

- Syrphoctonus foutsii* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 12. ♂, ♀. [o.d., Glen Echo, Md. (U.S.N.M.)]
Syrphoctonus foutsii Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 414. [Me.]

Syrphoctonus gillettii Davis

- Syrphoctonus gillettii* Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♀. [key, o.d., Colo. (A.N.S.P.)]

Syrphoctonus groenlandicus (Holmgren) new combination

- Bassus groenlandicus* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 97. ♂. [o.d., North Greenland (?Stockholm Mus.)]
Bassus groenlandicus Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 29. [Greenland]
Bassus groenlandicus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 231. ♀. [des., Greenland]
Bassus groenlandicus Nielsen, Meddel. om Grønland, 1907, 29: 385. [Greenland]
Homotropus elegans Hendricksen and Lundbeck, Meddel. om Grønland, 1918, 22: 530. [syn. (in part), Europe, Greenland]
Homotropus groenlandicus Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 610. [des., Greenland]

Syrphoctonus humeralis (Provancher) new combination

- Lampronota macra* Provancher, Nat. Canad., 1873, 5: 476. ♂. [key, Que.]
 Misdetermined.
Tryphon humeralis Provancher, Nat. Canad., 1875, 7: 117. ♀. [key, o.d., Que. (M.P.Q.)]
Bassus fuscitarsus Provancher, Nat. Canad., 1875, 7: 143, 144. ♂. [key, o.d., Que. (M.P.Q.)]
Tryphon humeralis Provancher, Nat. Canad., 1875, 7: 311. [key]

- Bassus humeralis* Provancher, Nat. Canad., 1879, 11: 274; (Faune p. 429).
♂, ♀. [key, syn., des.]
- Bassus fuscitarsus* Provancher, Nat. Canad., 1879, 11: 275; (Faune p. 430).
[key, des.]
- Bassus humeralis* Provancher, Nat. Canad., 1887, 17: 76. [Que.]
- Homotropus humeralis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 27. ♂, ♀.
[key, syn., des., Calif., Canada, Colo., Mont., Nev., Wash.]
- Homotropus humeralis* Kamal, Jour. Econ. Ent., 1926, 19: 723, 727. [biol.,
host *a b c*, Calif.]
- Homotropus humeralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.
[Me.]
- Homotropus humeralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
949. [N.Y.]
- Homotropus humeralis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Diplazon humeralis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.
2: 103. [Mass.]
- Homotropus humeralis* Cole, Jour. Econ. Ent., 1933, 26: 862. [host *a*, Calif.]
- Homotropus humeralis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 413.
[host *d*, Me.]
- Homotropus humeralis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts
Letters, 1939, 16: 62. [Ut.]
- SYRPHIDAE: *a*, *Allograpta obliqua*; *b*, *Eupeodes volucris*; *c*, *Scaeva pyrastris*. Miscel-
laneous: *d*, larva on leaves of *Betula alba*.

Syrphoctonus laevis Brues

- Syrphoctonus laevis* Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 53. ♀. [o.d.,
Beulah, N.M. (Milwaukee Pub. Mus.)]

Syrphoctonus maculifrons (Cresson)

- Bassus maculifrons* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 272. ♀. [o.d.,
Colo. (A.N.S.P.)]
- Bassus semifasciatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 87. ♂.
[o.d. (?Ill.) (type destroyed)]
- Bassus maculifrons* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 374. ♂, ♀.
[des., Calif., Colo.]
- Bassus maculifrons* Riley and Howard, Insect Life, 1891, 3: 460. [host *f*, Calif.]
- Syrphoctonus maculifrons* Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♂, ♀.
[key, syn., des., Calif., Colo., Ill., Mont., Nev.]
- Syrphoctonus maculifrons* Burke, Proc. Ent. Soc. Wash., 1906, 7: 89. [host *a b*]
- Syrphoctonus maculifrons* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291.
[Colo.]
- Syrphoctonus maculifrons* Campbell and Davidson, Bull. So. Calif. Acad. Sci.,
1924, 23: 9. [host *c*, Calif.]

- Syrphoctonus maculifrons* Kamal, Jour. Econ. Ent., 1926, 19: 722, 727. [biol., host *c d e*, Calif.]
- Syrphoctonus maculifrons* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Syrphoctonus maculifrons* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *g*, Ut.]
- Syrphoctonus maculifrons* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Syrphoctonus maculifrons* Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 67. [host *e*, Calif.]

SYRPHIDAE: a, *Cheilusia alaskensis*; b, *Cheilusia hoodiana*; c, *Eupeodes volucris*; d, *Metasyrphus* sp.; e, *Scaeva pyrastri*; f, *Syrphus* sp.; g, syrphid.

***Syrphoctonus melanogaster* (Holmgren) new combination**

- Bassus melanogaster* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 98. ♂. [o.d., northern Greenland (?Stockholm Mus.)]
- Bassus melanogaster* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 29. ♀. [des., Greenland]
- Bassus melanogaster* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 232. [Greenland]
- Homotropus melanogaster* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 10. ♂, ♀. [des., Greenland]
- Homotropus melanogaster* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11. [des.]
- Homotropus melanogaster* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 610. [syn., des.]
- Homotropus melanogaster* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [Greenland]

***Syrphoctonus minimus* (Cresson)**

- Tryphon minimus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 281. ♀. [o.d., Ill. (A.N.S.P.)]
- Bassus ruficrus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 86. ♀ (not ♂). [o.d., (?Ill.) (type destroyed)] New synonymy.
- Promethus ruficrus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. [syn.] Description and records erroneous.
- Otoblastus minimus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♀. [key, des.]
- Promethus ruficrus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 347. [syn. (in part)]
- Promethes ruficrus* Dalla Torre, Cat. Hymen., 1901, 3: 244. [syn.]
- Anecphysis ruficrus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [syn.] Description and record erroneous.
- Syrphoctonus minimus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn. (in part)]

- Syrphoctonus minimus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
Syrphoctonus minimus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]
Syrphoctonus minimus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Syrphoctonus ornatus* (Gravenhorst) new combination**

- Bassus ornatus* Gravenhorst, Ichneum. Europeae, 1829, 3: 341. ♂. [o.d., Warmbrunn, Germany (?Breslau Mus.)]
Bassus ornatus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 231. [Greenland]
Homotropus ornatus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [Africa, Europe, Greenland]

***Syrphoctonus pacificus* (Cresson)**

- Bassus maculifrons* Holmgren, Eugenies Resa, 1868, Insect. p. 410. ♀. [o.d., San Francisco, Calif. (?Stockholm Mus.)] Preoccupied by Cresson, 1865.
Bassus pacificus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 376. ♂, ♀. [o.d., Calif. (A.N.S.P.), B.C.]
Bassus xanthopsis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 440. ♂. [o.d., host e, Alameda, Calif. (U.S.N.M.)]
Syrphoctonus pacificus Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♂, ♀. [key, syn., des., B.C., Calif., Nev., Wash.]
Syrphoctonus pacificus Harrington, Canad. Ent., 1897, [B.C.] "♂ descr. from V. I. Coll. H. Edwards."
Syrphoctonus pacificus Nason, Ent. News, 1905, 16: 169. [Ill.]
Homotropus maculifrons Roman, Ent. Tidskr., 1910, 31: 166. [syn.]
Syrphoctonus minimus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn. (in part)]
Syrphoctonus pacificus Kamal, Jour. Econ. Ent., 1926, 19: 723, 727. [biol., host a b c d, Calif.]
 SYRPHIDAE: a, *Allograpta obliqua*; b, *Eupeodes volucris*; c, *Metasyrphus* sp.; d, *Scaeva pyrastris*; e, *Syrphus* sp.

***Syrphoctonus pallipennis* (Provancher) new combination**

- Bassus pallipennis* Provancher, Nat. Canad., 1874, 6: 31, 56. ♀. [key, o.d., Que. (M.P.Q.)]
Bassus pallipennis Provancher, Nat. Canad., 1879, 11: 276; (Faune p. 431). [key, des.]
Homotropus pallipennis Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♀. [key, des., Canada]
Homotropus pallidipennis Dalla Torre, Cat. Hymen., 1901, 3: 238. Emendation of *Bassus pallipennis* Provancher.

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Syrphoctonus pectoralis (Provancher) new combination

Bassus pectoralis Provancher, Nat. Canad., 1874, 6: 32. ♂. [key, o.d., Que. (M.P.Q.)]

Bassus pectoralis Provancher, Nat. Canad., 1879, 11: 276; (Faune p. 431). [key, des.]

Homotropus bicapillaris Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♂, ♀. [key, syn., des., Canada, Colo., Ill., N.H. (in part)]

Syrphoctonus pleuralis (Cresson)

Bassus pleuralis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Ohio (A.N.S.P.)]

Bassus syrphicola Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 439. ♂, ♀. [o.d., host b, San Francisco, Calif. (U.S.N.M.)]

Syrphoctonus pleuralis Davis, Trans. Amer. Ent. Soc., 1895, 22: 25. ♂, ♀. [key, syn., des., Calif., Ohio]

Syrphoctonus pleuralis Nason, Ent. News, 1905, 16: 169. [Ill.]

Syrphoctonus pleuralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Syrphoctonus pleuralis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Syrphoctonus pleuralis Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99. [host a, Ill.]

SYRPHIDAE: a, *Syrphus torvus*; b, syrphid.

Syrphoctonus robustus Davis

Syrphoctonus robustus Davis, Trans. Amer. Ent. Soc., 1895, 22: 25. ♂. [key, o.d., Wash. (A.N.S.P.)]

Syrphoctonus vertebratus Cushman

Syrphoctonus bilineatus Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.

Hemertosoma (!) *quinquecinctum* Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

Syrphoctonus vertebratus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 29. ♂. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

PHTHORIMA Foerster

Phthorima Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus compressus* Desvignes.

Phthorimus Thomson, Opusc. Ent., 1890, 14: 1465, 1474.

Genotype: *Bassus compressus* Desvignes.

Phthorima bidens (Davis)

Otoblastus bidens Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♂. [key, o.d., Mich. (A.N.S.P.)]

Phthorima? *bidens* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn.]

Phthorima extensor Cushman

Phthorima extensor Cushman, Proc. U. S. Nat. Mus., 1920, 58: 264. ♀. [o.d., Va., near Plummerts Is. Md. (U.S.N.M.), D.C.]

Phthorima sulciclypeus Cushman

Phthorima sulciclypeus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 265. ♀. [o.d., Mt. Washington, N.H. (U.S.N.M.)]

ENIZEMUM Foerster

Enizemum Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: (*Bassus tibialis* Cresson) = *petiolatum* Say.

Homotropus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

New synonymy.

Genotype: (*Bassus bicapillaris* Walsh) = *petiolatum* Say.

Enizemum neomexicanum Brues

Enizemum neomexicanum Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 54. ♀. [o.d., Beulah, N.M. (Milwaukee Pub. Mus.)]

Enizemum petiolatum (Say)

Pimpla? *petiolatus* Say, Boston Jour. Nat. Hist., 1836, 1: 224; (Leconte Ed. 2: 683). (♂). [o.d., Ind. (type destroyed)]

Bassus tibialis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 110. ♀. [o.d., Ill. (A.N.S.P.)]

Bassus bicapillaris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 88. ♀ (not ♂). [o.d., (?Ill.) (type destroyed)] New synonymy.

Bassus tibialis Provancher, Nat. Canad., 1874, 6: 32. ♂, ♀. [key, Que.]

Bassus tibialis Provancher, Nat. Canad., 1875, 7: 144. [key]

Bassus tibialis Provancher, Nat. Canad., 1879, 11: 273; (Faune p. 428). [key, des.]

Enizemum tibiale Davis, Trans. Amer. Ent. Soc., 1895, 22: 27. ♂, ♀. [des., Canada, Colo., Ill., Mont.]

Homotropus bicapillaris Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. [syn.] Key, des., and records based on misdetermination.

Enizemum tibiale Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 226. [Alaska, Kans.]

Enizemum tibiale Nason, Ent. News, 1905, 16: 169. [Ill.]

Homotropus bicapillaris Nason, Ent. News, 1905, 16: 169. [Ill.]

Pimpla parvialba Viereck, Trans. Amer. Ent. Soc., 1906, 32: 182. ♀ (not ♂). [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

Homotropus bicapillaris Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

- Pimpla? petiolata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 171. [syn.]
Enizemum tibiale Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]
Homotropus bicapillaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]
Enizemum tibiale Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host a]
Enizemum tibiale Brimley, Insects of N.C., 1938, p. 413. [N.C.]
Diplazon bicapillaris Brimley, Insects of N.C., 1938, p. 413. [N.C.]
Enizemum petiolatum Townes, Ann. Ent. Soc. Amer., 1940, 33: 323. [syn., N.Y.]

SYRPHIDAE: a, *Metasyrphus wiedemanni*.

Subfamily 10. METOPIINAE

METOPIUS Panzer

Subgenus *Metopius* Panzer *

- Metopius* Panzer, Krit. Rev., 1806, 2: 78.
 Genotype: *Sphex vespoides* Scopoli.
Peltastes Illiger, Rossi's Faun Etrusca, Ed. 2, 1807, 2: 55.
 Genotype: (*Ichneumon necatorius* Fabricius) = *vespoides* Scopoli.
Peltopius Clément, Konowia, 1930, 8: 387.
 Genotype: *Sphex vespoides* Scopoli.

Subgenus *Clémentia* Michener

- Clémentia* Michener, Pan-Pacific Ent., 1941, 17: 2.
 Genotype: *Ichneumon micratorius* Fabricius.

Metopius (*Clémentia*) *basalis* Cresson, new combination

- Metopius basalis* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxvii. ♀.
 [o.d., Fla. (A.N.S.P.)]
Metopius basalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♀. [key, des.]

Metopius (*Clémentia*) *bellus* Cresson

- Metopius bellus* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii. ♂.
 [o.d., Nev. (A.N.S.P.)]
Metopius bellus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]
Metopius bellus Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♂. [key, des.]
Metopius (*Clémentia*) *bellus* Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

* The subgenus *Metopius* is not represented in the Nearctic Region.

Metopius (Clémontia) birkmani Brues, new combination

Metopius birkmani Brues, Bull. Wis. Nat. Hist. Surv., 1907, 5: 56. ♂, ♀.
[o.d., Lee Co., Tex. (Milwaukee Public Mus.)]

Metopius (Clémontia) comptus Cresson, new combination

Metopius comptus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.
♀. [o.d., Colo. (A.N.S.P.)]

Metopius laticinctus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.
♂. [o.d., Colo. (A.N.S.P.)]

Metopius comptus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius laticinctus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius comptus Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♂, ♀.
[key, syn., des.]

Metopius (Clémontia) concinnus Cresson, new combination

Metopius concinnus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.
♂. [o.d., Nev. (A.N.S.P.)]

Metopius concinnus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius montanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♂, ♀.
[key, syn., des. (in part)]

Metopius (Clémontia) edwardsii Cresson, new combination

Metopius Edwardsii Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 376. ♂.
[o.d., Wash. Territory (A.N.S.P.)]

Metopius nevadensis Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxvii.
♂, ♀. [o.d., Nev. (A.N.S.P.)]

Metopius edwardsii Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius nevadensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 200. ♂, ♀.
[key, syn., des.]

Metopius (Clémontia) nevadensis Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

Metopius (Clémontia) errantia Davis, new combination

Metopius errantia Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♀. [key,
o.d., Gaylord, Mich. (Mich. State College)]

Metopius (Clémontia) grandior Viereck, new combination

Metopius grandior Viereck, Trans. Kans. Acad. Sci., 1905, 19: 314. ♀. [o.d.,
Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]

Metopius grandior Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 78. [des.]

Metopius (Clémontia) harbecki Skinner, new combination

Metopius harbecki Skinner, Ent. News, 1906, 17: 150. (♂). [o.d., German-
town, Philadelphia, Pa. (A.N.S.P.)]

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Metopius (Clémontia) medianus Morley, new combination

Metopius medianus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 78. ♂. [key, o.d., Ga. (British Mus.)]

Metopius (Clémontia) montanus Cresson

Metopius montanus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii. ♂. [o.d., Colo. (A.N.S.P.)]

Metopius mirandus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii. ♀. [o.d., Colo. (A.N.S.P.)]

Metopius montanus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius mirandus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius montanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♂, ♀. [key, syn., des. (in part)]

Metopius (Clémontia) montanus Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

Metopius (Clémontia) pollinatorius (Say)

Peltastes pollinatorius Say, Boston Jour. Nat. Hist., 1836, 1: 245; (Leconte Ed. 2: 700). ♂, ♀. [o.d., Ind., Pa. (type destroyed)]

Metopius pinatorius Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 120. ♂. [o.d., Carolina (Paris Mus.)]

Metopius cordiger Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 120. ♂. [o.d., Carolina (Paris Mus.)]

Metopius pollinatorius Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 91. ♂, ♀. [syn., des.]

Metopius pollinatorius Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Metopius pollinatorius Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius pollinatorius Davis, Trans. Amer. Ent. Soc., 1897, 24: 200. ♂, ♀. [key, des., Ill., Mass., Mich., N.J., N.Y., Pa.]

Metopius pollinatorius Harrington, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [Ont.]

Metopius micratorius pollinatorius Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 78. [Hudson Bay]

Metopius pollinatorius Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 309. ♂, ♀. [des., Conn.]

Metopius pollinatorius Weiss, Jour. N.Y. Ent. Soc., 1924, 32: 74. [host b, N.J.]

Metopius pollinatorius Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]

Metopius pollinatorius Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

Metopius pollinatorius Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host a, Me.]

Metopius pollinatorius Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Metopius (Clémontia) pollinatorius Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

PHALAEINIDAE: a, *Acronicta obliterata*. SATURNIIDAE: b, *Tropaea luna*.

Metopius (Clémentia) pulchellus Cresson, new combination

Metopius pulchellus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 271. ♀. [o.d., Colo. (A.N.S.P.)]

Metopius pulchellus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius pulchellus Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♀. [key, des., Colo., N.M., S.D.]

Metopius (Clémentia) robustus Cresson, new combination

Metopius robustus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxvii. ♀. [o.d., Md. (A.N.S.P.)]

Metopius robustus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius robustus Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♀. [key, des.]

Metopius robustus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Metopius (Clémentia) rufipes Cresson, new combination

Metopius rufipes Cresson, Proc. Ent. Soc. Phila., 1865, 4: 270. ♀. [o.d., Colo. (A.N.S.P.)]

Metopius rufipes Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius rufipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♀. [key, des.]

Metopius (Clémentia) scitulus Cresson, new combination

Metopius scitulus Cresson, Trans. Amer. Ent. Soc., 1897, 7: Proc. p. xxix. ♂. [o.d., Nev. (A.N.S.P.)]

Metopius scitulus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius scitulus Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♂. [key, des.]

Metopius (Clémentia) ultimatus Davis, new combination

Metopius ultimatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♂. [key, o.d., Ill. (A.N.S.P.)]

Metopius ultimatus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Metopius (Clémentia) xanthostigma Ashmead, new combination

Metopius xanthostigma Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 438. ♂. [o.d., N.C. (U.S.N.M.)]

Metopius xanthostigma Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius xanthostigma Davis, Trans. Amer. Ent. Soc., 1897, 24: 200. ♂. [key, des.]

Metopius xanthostigma Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Subgenus **Cultrarius** Davis

Cultrarius Davis, Trans. Amer. Ent. Soc., 1897, 24: 197.

Genotype: *Metopius rileyi* Marlatt.

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Metopius (Cultrarius) rileyi Marlatt

Metopius sp. Marlatt, Insect Life, 1890, 3: 177. [des.]

Metopius rileyi Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 103. ♀. [key, o.d., fig., Kans., S.D. (U.S.N.M.)]

Cultrarius rileyi Davis, Trans. Amer. Ent. Soc., 1897, 24: 197. ♀. [des.]

PSEUDOMETOPIUS Davis

Pseudometopius Davis, Trans. Amer. Ent. Soc., 1897, 24: 197, 202.

Genotype: *Metopius hagenii* Cresson.

Pseudometopius hagenii (Cresson)

Metopius Hagenii Cresson, Trans. Amer. Ent. Soc., 1872, 4: 168. ♂, ♀. [o.d., Dallas Co., Tex. (Harvard Univ.), Mass.]

Metopius Hageni Provancher, Nat. Canad., 1880, 12: 69; (Faune p. 473). [des., Que.]

Metopius hageni Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius nagenii (!) Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Pseudometopius hageni Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♂, ♀. [des., Mass., Mich., Tex.]

Pseudometopius hageni Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. ♂, ♀. [des.]

CHORINAEUS Holmgren

Chorinaeus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 305, 320.

Genotype: *Exochus funebris* Gravenhorst.

Polyrhabdus Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 98.

Genotype: *Polyrhabdus cariniger* Walsh.

Chorinaeus californicus Ashmead

Chorinaeus californicus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200. ♂. [o.d., Santa Cruz Mts., Calif. (U.S.N.M.)]

Chorinaeus carinatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 208. ♂, ♀. [key, syn., des., Calif., Canada, Conn., Mich., N.H. (in part)]

Chorinaeus carinatus (Cresson)

Tryphon carinatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 273. ♂. [o.d., Ill. (A.N.S.P.)]

Exochus carinatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. [des., Conn., Ill., Mass.]

Tryphon carinatus Provancher, Nat. Canad., 1875, 7: 310, 311. [key, des., Que.]

Chorinaeus carinatus Provancher, Nat. Canad., 1879, 11: 278; (Faune p. 433). [des.]

Chorinaeus carinatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 208. ♂, ♀.
[key, syn., des., Calif., Canada, Conn., Mich., N.H. (in part)]

Chorineus (!) *carinatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. [key]

Chorinaeus carinatus Johnson, Biol. Surv. Mt. Desert. Region, 1927, 1: 136.
[Me.]

Chorinaeus carinatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Chorinaeus carinatus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

***Chorinaeus cariniger* (Walsh)**

Polyrhabdus cariniger Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 98. ♂, ♀.
[o.d., (?Ill.) (type destroyed)]

Chorinaeus cariniger Cresson, Synops. Hymen. N. Amer., 1887, p. 213. [syn.]

Chorinaeus cariniger Davis, Trans. Amer. Ent. Soc., 1897, 4: 210. ♂, ♀.
[key, syn., des., Conn., Ill., Mich., Wash., Wis. (in part)]

Chorineus (!) *cariniger* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308.
[key]

Chorinaeus cariniger Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

***Chorinaeus constrictus* Davis**

Chorinaeus constrictus Davis, Trans. Amer. Ent. Soc., 1897, 24: 209. ♀. [key,
o.d., Franconia, N.H. (A.N.S.P.)]

***Chorinaeus costatus* Davis**

Chorinaeus costatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♂, ♀.
[key, o.d., N.H. (A.N.S.P.), Conn.]

Chorinaeus costalis (!) Slosson, Ent. News, 1900, 11: 320. [N.H.]

Chorineus (!) *costatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308.
[key]

Chorinaeus costatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

***Chorinaeus excessorius* Davis**

Chorinaeus excessorius Davis, Trans. Amer. Ent. Soc., 1897, 24: 209. ♀. [key,
o.d., Wash. (A.N.S.P.)]

***Chorinaeus flavifrons* Ashmead**

Chorinaeus flavifrons Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 444. ♀.
[o.d., Wis. (U.S.N.M.)]

Chorinaeus cariniger Davis, Trans. Amer. Ent. Soc., 1897, 4: 210. ♂, ♀.
[key, syn., des., Conn., Ill., Mich., Wash., Wis. (in part)]

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Chorinaeus marlatti Ashmead

Chorinaeus marlatti Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200. ♀.
[o.d., Riley Co., Kans. (U.S.N.M.)]

Chorinaeus marlatti Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♀. [key,
des., Ill., Kans.]

Chorinaeus onitis Davis

Chorinaeus onitis Davis, Trans. Amer. Ent. Soc., 1897, 24: 210. ♂, ♀. [key,
o.d., Mt. Washington, N.H. (A.N.S.P.)]

Chorinaeus onitis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951.
[N.Y.]

Chorinaeus opacitas Davis

Chorinaeus opacitas Davis, Trans. Amer. Ent. Soc., 1897, 24: 210. ♀. [key,
o.d., Nev. (A.N.S.P.)]

Chorinaeus pleturus Davis

Chorinaeus pleturus Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♀. [key,
o.d., Agricultural College, Mich. (Mich. State College)]

Chorinaeus pusillus Davis

Chorinaeus pusillus Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♂, ♀.
[key, o.d., Wash. (A.N.S.P.), Colo., N.H.]

Chorinaeus texanus (Cresson)

Exochus texanus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 168. ♂. [o.d.,
Bosque Co., Tex. (U.S.N.M.)]

Chorinaeus texanus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200. [syn.]

Chorinaeus texanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 209. ♂, ♀.
[key, des., Colo., Tex.]

SPUDAEUS Gistel

Trachyderma Gravenhorst, Ichneum. Europeae, 1829, 3: 283. Preoccupied by
Latreille, 1829.

Genotype: *Trachyderma scabra* Gravenhorst

Spudaeus Gistel, Naturg. Thierr. 1848, p. xi. New name for *Trachyderma*
Gravenhorst.

Tylocomnus Holmgren, Öfvers. Svensk. Vet.-Akad. Förh. 1873, 30, pt. 4: 76.
New name for *Trachyderma* Gravenhorst.

Spudaeus indigus (Davis) new combination

Tylocomnus(!) *indigus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 204. ♂, ♀.
[key, o.d., Colo. (A.N.S.P.) N.H.]

Spudaeus minoris (Davis) new combination

Tylecomnus (!) *minoris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 204. ♀.
[key, o.d., N.H. (A.N.S.P.)]

Spudaeus umbrosus (Davis) new combination

Tylecomnus (!) *umbrosus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 203. ♀.
[key, o.d., Wash. (A.N.S.P.), Nev.]

PERIOPE Haliday

Periope Haliday, Ann. Nat. Hist., 1839, 2: 114.

Genotype: *Periope auscultator* Haliday.

Monoplectron Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 63, 81.

Genotype: (*Monoplectron zyaenator* Holmgren) = *auscultator* Haliday.

Oligoplectron Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Periope auscultator* Haliday.

Periope aethiops (Cresson)

Tryphon aethiops Cresson, Trans. Amer. Ent. Soc., 1868, 2: 106. ♀. [o.d.,
Mass. (A.N.S.P.), Conn.]

Chorinaeus pulchripes Provancher, Nat. Canad., 1883, 14: 12; (Faune p. 800).

♀. [o.d., Chicoutimi, Que. (M.P.Q.)] New synonymy.

Pseudometopius pulchripes Davis, Trans. Amer. Ent. Soc., 1897, 24: 203. ♀.
[des.]

Periope aethiops Davis, Trans. Amer. Ent. Soc., 1897, 24: 206. ♂. [des.,
Mass., Ont.]

Periope aethiops Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. ♂.
[des.]

Periope aethiops Washburn, Ann. Rpt. St. Ent. Minn., 1918, 17: 173. [biol.,
Minn.]

Periope aethiops Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Periope aethiops Brown, Canad. Ent., 1934, 66: 262. [Ont.]

COLPOTROCHIA Holmgren

Colpotrochia Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 80.

Genotype: *Ichneumon elegantulus* Schrank.

Alcocerus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Tryphon? trifasciatus* Cresson.

Exochoides Cresson, Trans. Amer. Ent. Soc., 1868, 2: 37.

Genotype: *Exochoides mexicana* Cresson.

Ischyrocnemopsis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 81. New syn-
onymy.

Genotype: *Exochoides texana* Cresson.

Inoresa Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 724.

Genotype: *Inoresa pilosa* Cameron.

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Colpotrochia texana (Cresson) new combination

Exochodes (!) *texana* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. ♂. [o.d., Comal Co., Tex. (A.N.S.P.)]

Ischyrocnemis carolina Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 443. ♂. [o.d., N.C. (U.S.N.M.)]

Exochoides texanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 207. ♂. [syn., des., N.C., Tex.]

Ischyrocnemopsis texanus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 81. [syn.]

Exochoides texanus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Colpotrochia trifasciata (Cresson)

Tryphon? *trifasciatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 276. ♂. [o.d., Pa. (A.N.S.P.)]

Exochoides trifasciata Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

Alcocerus trifasciatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 207. ♂, ♀. [des., N.C., N.Y., Pa.]

Alcocerus trifasciatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. ♂, ♀. [des.]

Colpotrochia trifasciata Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Colpotrochia trifasciata Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

TRICLISTUS Foerster

Triclistus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Exochus podagricus* Gravenhorst.

Triclistus brunnipes (Cresson)

Exochus brunnipes Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 374. ♀. [o.d., Nev. (A.N.S.P.)]

Triclistus brunneipes (!) Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

Triclistus brunnipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 212. ♀. [key, des.]

Triclistus congener (Holmgren) *

Exochus congener Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 319. ♂, ♀. [o.d., Norway, Sweden (?Stockholm Mus.)]

Triclistus congener Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1873, 30, no. 4: 57. [des., fig., Scandinavia]

Triclistus congener Davis, Trans. Amer. Ent. Soc., 1897, 24: 212. ♂, ♀. [key, des., Mont., Nev., Wash.]

* Occurrence in the Nearctic Region needs confirmation.

***Triclistus fulvipes* (Cresson)**

Exochus fulvipes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 285. ♂, ♀. [o.d., Pa. (A.N.S.P.)]

Exochus fulvipes Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [Conn., Pa.]

Exochus fulvipes Provancher, Nat. Canad., 1880, 12: 5; (Faune p. 437). [key, des., Que.]

Exochus fulvipes Riley and Howard, Insect Life, 1891, 3: 461. [host d, Mo.]

Triclistus fulvipes Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

Triclistus curvator Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♂, ♀. [key, des., Calif., Canada, Colo., Ill., Mich., Mont., Nev., N.H., N.J., Pa., Wash.] Misdetermined.

Trichistis (!) *curvator* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579. [N.J.] Misdetermined.

Triclistus curvator Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 232. [Alaska] Misdetermined.

Triclistus curvator Nason, Ent. News, 1905, 16: 168. [Ill.] Misdetermined.

Triclistus curvator Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307. [key] Misdetermined.

Exochus curvator Chittenden, Bull. U. S. Dept. Agr., 1920, 914: 10. [host c, Va.] Misdetermined.

Exochus curvator Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host c, Pa.] Misdetermined.

Triclistus curvator Schott, Jour. N.Y. Ent. Soc., 1925, 33: 54. [host a] Misdetermined.

Triclistus curvator Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.] Misdetermined.

Triclistus curvator Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host c, Va.] Misdetermined.

Triclistus curvator Johnson, Biol. Surv. Mt. Desert. Region, 1927, 1: 136. [Me.] Misdetermined.

Triclistus curvator Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host a c d g, N.Y.] Misdetermined.

Triclistus curvator Haeussler, Jour. Agr. Res., 1930, 41: 367. [host f, Md., N.J.] Misdetermined.

Triclistus curvator Cameron, Ann. Rpt. Que. Soc. Protect. Plants, 1931, 22: 42. [host a, N.S.] Misdetermined.

Triclistus curvator Walley, Canad. Ent., 1932, 64: 183. [host e, Ont.] Misdetermined.

Triclistus curvator Hoffman, Bull. Brooklyn Ent. Soc., 1936, 31: 211. [host b, Minn.] Misdetermined.

GLYPHIPTERYGIDAE: a, *Anthophila pariana*. TORTRICIDAE: b, *Archips cerasivorana*; c, *Argyrotaenia velutinana*; d, *Homona fervidana*. OLETHREUTIDAE: e, *Exartema exaerensum*; f, *Grapholitha molesta*; g, *Polychrosis viteana*.

Triclistus propinquus (Cresson)

Exochus propinquus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♂, ♀.
[o.d., Conn. (A.N.S.P.), Me., Mass.]

Exochus propinquus Provancher, Nat. Canad., 1875, 7: 138. [key, Que.]

Exochus propinquus Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂, ♀.
[key, des., Conn., Me., Mass., Mich.]

Exochus propinquus Slosson, Ent. News, 1902, 13: 5. [N.H.]

Exochus propinquus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key, fig.]

Exochus propinquus Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Alta.]

Exochus propinquus Porter and Garman, Bull. Conn. Agr. Exp. Sta., 1923, 246: 260. [biol., host a, Conn.]

Triclistus propinquus Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Exochus propinquus Essig, Insects of Western N. Amer., 1926, p. 793. [Calif.]

Triclistus propinquus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Triclistus propinquus Balduf, Ohio Jour. Sci., 1929, 29: 234. [des., biol., host c. Ill.]

Triclistus propinquus Montgomery, Canad. Ent., 1933, 65: 186. [host b, Ind.]

GLYPHIPTERYGIDAE: a, *Anthophila pariana*. PYRAUSTIDAE: b, *Desmia funeralis*; c, *Phlyctaenia tertialis*.

Triclistus pygmaeus (Cresson)

Exochus pygmaeus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 285. ♀ (not ♂).
[o.d., Ill. (A.N.S.P.)]

Exochus pygmaeus Provancher, Nat. Canad., 1875, 7: 138. [key, Que.]

Exochus pygmaeus Provancher, Nat. Canad., 1880, 12: 5; (Faune p. 437).
[key, des.]

Triclistus pygmaeus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

Triclistus pygmaeus Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♀. [key, des., Canada, Ill.]

Triclistus (!) *pygmaeus* Slosson, Ent. News, 1906, 17: 324. [N.H.]

Triclistus (!) *pygmaeus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]

Triclistus pygmaeus Herrick, Bull. Cornell Univ. Agr. Exp. Sta., 1912, 311: 291. [host a, N.Y.]

Trichistus (!) *pygmaeus* Strauss, Bull. U. S. Dept. Agr., 1916, 419: 9. [host b]

Triclistus pygmaeus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]

Triclistus pygmaeus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host a, N.Y.]

Triclistus pygmaeus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

TORTRICIDAE: a, *Archips cerasivorana*. PYRAUSTIDAE: b, *Desmia funeralis*.

Triclistus thoracicus (Ashmead)

Triclistus thoracicus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♀.
[o.d., Dixie Landing, Va. (U.S.N.M.)]

Triclistus thoracicus Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♀. [key, des.]

Triclistus thoracicus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

HYPSICERA Latreille

Hypsicera Latreille, in Cuvier: Regne Anim., Ed. 2, 1829, 5: 288.

Genotype: (*Alomya* (*Hypsicera*) sp. near *femoralis* Gravenhorst) = *femoralis* Fourcroy.

Metacoelus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: (*Exochus femoralis* Gravenhorst) = *femoralis* Fourcroy.

Polyclistus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Ichneumon femoralis* Fourcroy.

Plesioexochus Cameron, Trans. South Afr. Philos. Soc., 1905, 15: 102.

Genotype: (*Plesioexochus rufipes* Cameron) = *femoralis* Fourcroy.

Hypsicera femoralis (Fourcroy)

Ichneumon femoralis Fourcroy, Entomologia Parisiensis, 1785, 2: 396. [o.d., (?Paris, France) (location of type unknown)] This reference not seen.

Alomya (*Hypsicera*) sp. Latreille, in Cuvier: Regne Animal, Ed. 2, 1829, 5: 288. [des., France]

Exochus laevis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 286. ♂, ♀. [o.d., Ill. (A.N.S.P.), Calif.] New synonymy.

Exochus laevis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [eastern, middle, and western states]

Exochus laevis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 93. ♀. [des.]

Exochus laevis Provancher, Nat. Canad., 1875, 7: 138. [key, Que.]

Exochus laevis Provancher, Nat. Canad., 1880, 12: 5; (Faune, p. 437). [key, des.]

Exochus laevis Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Exochus laevis Provancher, Nat. Canad., 1889, 19: 248. [Que.]

Exochus laevis Riley and Howard, Insect Life, 1891, 3: 461. [host *a b*, D.C.]

Exochus laevis Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Exochus laevis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Metacoelus laevis Davis, Trans. Amer. Ent. Soc., 1897, 24: 214. ♂, ♀. [des., Calif., Canada, Colo., Ill., Mich., N.Y., Ore., Wash.]

Netacoelus (!) *laevis* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Metacoelus laevis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579. [N.J.]

Metacoelus laevis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. [Alaska]

Metacoelus laevis Nason, Ent. News, 1905, 16: 168. [Ill.]

- Metacoelus laevis* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]
Metacoelus laevis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
Hypsicera femoralis Viereck, Bull. U. S. Nat. Mus., 1914, 83: 74. [syn.]
Metacoelus laevis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307.
 ♂, ♀. [des.]
Estochus (!) *laevis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
 [Minn.]
Exochus laevis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
Metacoelus laevis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951.
 [N.Y.]
Metacoelus laevis Brown, Canad. Ent., 1934, 66: 282. [Ont.]

TORTRICIDAE: a, tortricid leaf gall on *Solidago graminifolia*. PYRALIDIDAE: b, pyralid on *Alnus rugosa*.

Hypsicera mansuetor (Gravenhorst) new combination

- Ichneumon mansuetor* Gravenhorst, Vergl. Übers. Zool. System., 1807, p. 254.
 [o.d., no locality given but probably from central Europe (?Breslau Mus.)]
Hyperacmus tineae Riley, Insect Life, 1890, 2: 213. [o.d. as a fig., hots b,
 (Adrian), Mich. (U.S.N.M.)]
Hyperacmus tineae Riley and Howard, Insect Life, 1891, 3: 461. [Mich.]
Hyperacmus ovatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 218. ♀. [o.d.,
 host a, Conn. (A.N.S.P.), Mich.]
Hyperacmus tineae Slosson, Ent. News, 1902, 13: 321. [N.H.]
Exochus ovatus Marlatt, Farmers' Bull. U. S. Dept. Agr., 1915, 659: 4 [syn.]
Hyperacmus ovatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 305.
 ♀. [des.]
Metacoelus mansuetor Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
Metacoelus mansuetor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 951. [host c, N.Y.]
 TINEIDAE: a, *Tinea* sp., b, *Tineola pellionella*. PYRALIDIDAE: c, *Pyralis farinalis*.

EXOCHUS Gravenhorst

- Exochus* Gravenhorst, Ichneum. Europeae, 1829, 2: 328.
 Genotype: *Ichneumon gravipes* Gravenhorst.
Amesolytus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.
 New synonymy.
 Genotype: *Amesolytus ferrugineus* Ashmead.
Mima Davis, Trans. Amer. Ent. Soc., 1897, 24: 206, 219. Preoccupied by
 Meigen, 1820 and by Westerlund, 1886. New synonymy.
 Genotype: *Mima washingtonensis* Davis.

Exochus albiceps Walsh

- Exochus albiceps* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 96. ♂. [o.d.,
 (?Ill.) (type destroyed)]

Exochus albiceps Davis, Trans. Amer. Ent. Soc., 1897, 24: 215. ♂. [key, des., Ill.]

***Exochus albifrons* Cresson**

Exochus albifrons Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♀. [o.d., Ill. (A.N.S.P.)]

Exochus albifrons Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 94. ♂, ♀. [des.]

Exochus annulicrus Provancher, Nat. Canad., 1875, 7: 139. [key, des., Que.] Misdetermined.

Exochus albifrons Provancher, Nat. Canad., 1880, 12: 6; (Faune p. 438). [key, syn., des.]

Exochus albifrons Riley and Howard, Insect Life, 1891, 3: 461. [host b, Mo.]

Exochus pallipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂, ♀. [key, syn., des., host. (in part)]

Exochus albifrons Patch, Bull. Me. Agr. Exp. Sta., 1907, 148: 265. [host a, Me.]

Exochus albifrons Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

TORTRICIDAE: a, *Archips cerasivorana*; b, *Homona fervidana*.

***Exochus alpinus* Cushman**

Amerolytus flavifrons Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Exochus alpinus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 13. ♂. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

***Exochus annulicrus* Walsh**

Exochus annulicrus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 95. ♂. [o.d., (?Ill.) (type destroyed)]

Exochus annulicrus Riley and Howard, Insect Life, 1891, 3: 461. [host a, Mich., Mo.]

Exochus dorsalis var. *annulicrus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂. [key, des., Mich., N.H.]

Exochus dorsalis var. *annulicrus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key]

Exochus dorsalis var. *annulicrus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host a, N.Y.]

Exochus dorsalis var. *annulicrus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

Exochus annulicrus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host b, Canada]

TORTRICIDAE: a, *Homona fervidana*; b, *Peronea variana*.

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Exochus apicalis Cresson

Exochus apicalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 285. ♂. [o.d., Ill. (A.N.S.P.)]

Trichlistus apicalis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

Trichlistus apicalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♂, ♀. [key syn., des., D.C., Ill., Mass., Mich., N.H. (in part)]

Trichlistus apicalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307 [key]

Trichlistus apicalis Gill, Bull. U. S. Dept. Agr., 1917, 571: 15. [host *a*, Fla.]

Exochus apicalis Worsham, Bull. Ga. State Bd. Ent., 1917, 48: 23. [host *a*, Ga.]

PHYCITIDAE: *a*, *Acrobasis juglandis*.

Exochus atriceps Walsh

Exochus atriceps Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 95. ♂. [o.d., (?Ill.) (type destroyed)]

Exochus rufomaculatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 113. ♀. [o.d., Ottawa, Ont. (M.P.Q.)]

Trichlistus atriceps Davis, Trans. Amer. Ent. Soc., 1897, 24: 214. ♂, ♀. [key, syn., des.]

Trichlistus atriceps Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307. [key]

Exochus atriceps Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Exochus atriceps Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

Exochus atriceps Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Exochus atrocoxalis Cresson

Exochus atrocoxalis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♀. [o.d., Dakota Territory (A.N.S.P.)]

Exochus atrocoxalis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. [Tex.]

Exochus atrocoxalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂, ♀. [key, des., Calif., Colo., Dak., Mont., Nev., Tex., Wash.]

Exochus atrocoxalis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Exochus caeruliventris Cresson

Exochus caeruliventris Cresson, Trans. Amer. Ent. Soc., 1868, 2: 38. ♀ (not ♂). [o.d., Cordova, Mexico (A.N.S.P.)]

Exochus caeruliventris Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Exochus dorsalis Cresson

Exochus dorsalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 286. ♂. [o.d., N.J. (A.N.S.P.)]

Exochus dorsalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 215. ♂, ♀. [key, des., Canada, Colo., Ill., Mich., N.H., N.J.]

Exochus dorsalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key]

Exochus dorsalis Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Exochus dorsalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

Exochus dorsalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Exochus dorsalis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

***Exochus emarginalus* (Say)**

Ophion emarginalus Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 76; (Leconte Ed. 1: 380). [o.d., Ind. (type destroyed)]

Anomalon emarginatus (!) Say, Boston Jour. Nat. Hist., 1835, 1: 245; (Leconte Ed. 2: 699). [des.]

Tapinops emarginatus (!) Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. [syn. (in part)]

(*Exochini*) *emarginatus* (!) Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 230. [syn., des.]

Exochus emarginatus (!) Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 169. [syn.]

***Exochus evetriae* Rohwer**

Exochus (*Triclistus*) *evetriae* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 223. ♀. [o.d., host *a b*, Butte Falls, Ore. (U.S.N.M.)]

Exochus evetriae Bedard, Canad. Ent., 1938, 70: 195. [host *b*, Ida.]

OLETHREUTIDAE: *a*, *Barbara colfaxiana siskiyouana*; *b*, *Barbara colfaxiana taxifoliella*.

***Exochus ferrugineus* (Ashmead) new combination**

Amesolytus ferrugineus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♂, ♀. [o.d., Tex. (U.S.N.M.)]

Triclistus ferrugineus Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♀. [key, des.]

***Exochus flavifrontalis* Davis**

Exochus flavifrontalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂, ♀. [key, o.d., Nev. (A.N.S.P.), Mich.]

***Exochus mandibularis* Cushman**

Polyclistus frontalis Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Exochus mandibularis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 13. ♂. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

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Exochus ostentatus Davis

Exochus ostentatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂. [key, o.d., D.C. (A.N.S.P.)]

Exochus pallipes Cresson

Exochus pallipes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 287. ♂. [o.d., Ill. (A.N.S.P.)]

Exochus pallipes Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [Conn., Ill.]

Exochus evectus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 168. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)] New synonymy.

Exochus pallipes Provancher, Nat. Canad., 1875, 7: 139. [key, Que.]

Exochus evectus Riley and Howard, Insect Life, 1891, 3: 461. [host *a*, Mo., Tex.]

Exochus pallipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂, ♀. [key, syn., des., host *b c*, B.C., Canada, Conn., Ill., Mass., Mich., N.C., Tex., Va. (in part)]

Exochus pallidipes Dalla Torre, Cat. Hymen., 1901, 3: 213. Emendation of *Exochus pallipes* Cresson.

Exochus pallipes Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [host *b c e*]

Exochus pallipes Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Exochus pallipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key, Conn.]

Exochus pallipes Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Exochus pallipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host *b e*, N.Y.]

Exochus pallipes Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

Exochus pallipes Putman, Canad. Ent., 1935, 67: 108. [host *b*, Ont.]

Exochus pallipes Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Exochus pallipes Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14. [host *d*, Canada]

LYONETHIDAE: *a*, *Bucculatrix* sp. TORTRICIDAE: *b*, *Archips cerasivorana*; *c*, *Archips fervidana*; *d*, *Argyrotaenia lutosana*; *e*, *Homona fervidana*.

Exochus pictus (Fyles) new combination

Amesolytus pictus Fyles, Canad. Ent., 1904, 36: 207. (♀). [o.d., fig., host *a*, ?Levis, Que. (U.S.N.M.)]

PHYCITIDAE: *a*, *Meroptera pravella*.

Exochus pleuralis Cresson

Exochus pleuralis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 286. ♂. [o.d., Ill. (A.N.S.P.)]

Exochus pallipes var. *pleuralis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216.

♂. [key, des.] P. 348, correction.

Exochus pallidipes var. *pleuralis* Dalla Torre, Cat. Hymen., 1901, 3: 213. [syn.]

Exochus pallipes var. *pleuralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key]

Exochus pleuralis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Exochus pleuralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Exochus pleuralis Knowlton, Jour. Econ. Ent., 1937, 30: 379–380. [host *a c*, Ut.]

Exochus pleuralis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *b*, Ut.]

GELECHIIDAE: *a*, *Anacampsis fragariella*. OLETHREUTIDAE: *b*, *Ancylis comptana*; *c*, *Ancylis comptana fragariae*.

Exochus scitulus Provancher

Exochus scitulus Provancher, Nat. Canad. 1877, 9: 15. (♀). [o.d., Que. (M.P.Q.)]

Exochus semirufus Cresson

Exochus semirufus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♂, ♀. [o.d., N.Y. (A.N.S.P.), Conn., Mass.]

Exochus semirufus Provancher, Nat. Canad., 1880, 12: 6; (Faune p. 438). [key, des., Que.]

Mesoleius inflatifrons Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]

Exochus rufigaster Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 443. ♀. [o.d., Tex. (U.S.N.M.)]

Exochus semirufus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Exochus solitarius Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂. [key, o.d., Canada (A.N.S.P.)] New synonymy. The "type" is an abdomen of

Exochus semirufus and head and thorax of another species of *Exochus*. The abdomen is hereby chosen lectotype.

Exochus semirufus Davis, Trans. Amer. Ent. Soc., 1897, 24: 218. ♂, ♀. [key, syn., des., Canada, Mass., Mich., N.H., Tex.]

Exochus semirufus Nason, Ent. News, 1905, 16: 168. [Ill.]

Exochus semirufus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key, Conn.]

Exochus semirufus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Exochus semirufus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Exochus terminalis (Ashmead) new combination

Tridistus terminalis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♂. [o.d., Washington, D.C. (U.S.N.M.)]

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Triclistus apicalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♂, ♀.
[key, des., D.C., Ill., Mass., N.H. (in part)]

***Exochus washingtonensis* (Davis) new combination**

Mima washingtonensis Slosson, Ent. News, 1895, 6: 317. [N.H.] Nomen nudum.

Mima washingtonensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 219. ♀.
[o.d., Mt. Washington, N.H. (U.S.N.M.)]

Polyclistus washingtonensis Dalla Torre, Cat. Hymen., 1901, 3: 217. [syn.]

***Exochus xanthopsis* Ashmead**

Exochus xanthopsis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♂.
[o.d., Victoria, B.C. (U.S.N.M.)]

Exochus pallipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂, ♀. [key, syn., des., host (in part)]

Exochus xanthopsis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Subfamily 11. OPHIONINAE

Tribe 1. CAMPOPLEGINI

PYRACMON Holmgren

Pyracmon Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 101.

Genotype: *Pyracmon fumipennis* Zetterstedt.

Rhimphoctona Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153.

Genotype: *Pyracmon fulvipes* Holmgren.

Helcostizidea Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 185. New synonymy.

Genotype: *Cubocephalus atrocoxalis* Ashmead.

Pyracmonoides Viereck, Canad. Ent., 1925, 57: 177. New synonymy.

Genotype: *Pyracmonoides separatum* Viereck.

***Pyracmon alaskensis* (Ashmead) new combination**

Cubocephalus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 203. ♀.
[key, o.d., Alaska (U.S.N.M.)]

***Pyracmon atrocoxalis* (Ashmead) new combination**

Cubocephalus atrocoxalis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 203. ♀.
[key, o.d., Alaska; Wash. (U.S.N.M.)]

Helcostizidea atrocoxalis Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 186. [syn.]

***Pyracmon idahoensis* Davis**

Pyrachmon (!) *idahoensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 363. ♀.
[o.d., Moscow, Ida. (type lost)]

Pyracmon idahoensis Viereck, Canad. Ent., 1925, 57: 180. [key]

Pyracmon macdunnoughi Viereck

Pyracmon macdunnoughi Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 5. ♀. [des., Nordegg, Alta. (C.N.C.)]

Campoplex (Ecphora) alternatus Viereck, Canad. Ent., 1925, 57: 202. [o.d. in key]; 1926, 58: 282. ♀. [des., Seven Isles, Que. (C.N.C.)] New synonymy.

Pyracmon lipoparium (Viereck) new combination

Pyracmonoides lipoparium Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 299. ♂. [des., Sudbury, Ont. (C.N.C.)]

Pyracmon macrocephalum (Provancher)

Limneria macrocephala Provancher, Nat. Canad., 1874, 6: 149. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria macrocephala Provancher, Nat. Canad., 1875, 7: 149. [key]

Pyracmon macrocephalum Provancher, Nat. Canad., 1879, 11: 175, 182; (Faune, p. 374). ♂, ♀. [key, des., fig., Que.]

Pyracmon macrocephalum Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Pyracmon (!) *aldrichi* Davis, Trans. Amer. Ent. Soc., 1898, 24: 363. ♂, ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.

Cubocephalus nigricornis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 203. ♀. [key, o.d., Alaska; Sherbrooke, Que. (U.S.N.M.)] New synonymy.

Pyracmonoides macrocephalum Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 283. [syn.]

Pyracmonoides succineum Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 300. ♂. [des., Smiths Cove, N.S. (C.N.C.)] New synonymy.

Pyracmonoides trochantericum Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 299. ♂. [des., Teulon, Man. (C.N.C.)] New synonymy.

Pyracmon aldrichi Viereck, Canad. Ent., 1925, 57: 180. [key]

Pyracmon macrocephalum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

Pyracmon separatum (Viereck) new combination

Pyracmonoides separatum Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 298. ♂, ♀. [des., Fort Cudahy, Yukon (C.N.C.)]

Pyracmon vancouverensis Harrington

Pyracmon vancouverensis Harrington, Canad. Ent., 1894, 26: 246. ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]

Pyracmon vancouverensis Viereck, Canad. Ent., 1925, 57: 180. [key]

Pyracmon xanthognatha (Rohwer) new combination

Helcostizidea xanthognatha Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 186. ♀. [o.d., Columbia Falls, Mont. (U.S.N.M.)]

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Helcostizidea xanthognatha Aldrich, Ann. Rpt. Smithsonian Inst. for 1919, 1921, p. 378, plate 11. [fig.]

NEMERITIS Holmgren

Nemeritis Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 104.

Genotype: *Campoplex macrocentrus* Gravenhorst.

Nemeritis macrurus (Viereck) new combination

Campoplex (*Campoplex*) *macrurus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♀. [des., Saanich, B.C. (C.N.C.)]

CYMODUSA Holmgren

Cymodusa Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 327.

Genotype: *Cymodusa leucocera* Holmgren. Monobasic.

Cymodusa distincta (Cresson)

Mesoleptus subrubidus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 264. ♂. [o.d., Ill. (A.N.S.P.), N.J.] New synonymy.

Mesoleptus distinctus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 266. ♀. [o.d., N.J. (A.N.S.P.)]

Limneria subrubida Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]

Limneria subrubida Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

Meloboris subrubida Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

Limnerium subrubidum Dalla Torre, Cat. Hymen., 1901, 3: 105. [syn.]

Limneria subrubida Nason, Ent. News, 1905, 16: 152. [Ill.]

Limnerium vigilis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 179. ♂. [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

Idechthis biconjunctus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 180. ♂. [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

?*Cymodusa leucocera* var. Roman, Ent. Tidskr., 1910, 31: 158. [des., N.J.]
?Misdetermined.

Cymodusa distincta Viereck, Proc. Biol. Soc. Wash., 1916, 29: 168. [des., Va.]

Cymodusa distincta Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262.
♂, ♀. [des., Conn.]

Campoplex (*Nepiera*) *amasecontorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 266. (♂). [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Cymodusa distincta Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

Cymodusa plesius Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.

Cymodusa distincta Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 282. [syn.]

Campoplex (*Campoplex*) *vigilis* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

Cymodusa distincta Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 130. [Me.]

Cymodusa distincta Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

Cymodusa distincta Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

***Cymodusa melanocera* Viereck**

Cymodusa melanocera Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 3. ♂. [des., Saanich District, B.C. (C.N.C.)]

Cymodusa gracilicornis Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♀. [des., Georgetown, Ont. (C.N.C.)] New synonymy.

Cymodusa melanocera Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

***Cymodusa partis* (Viereck) new combination**

Campoplex (*Diadegma*) *partis* Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 280. ♂. [des., Aylmer, Que. (C.N.C.)]

***Cymodusa provancheri* Viereck**

Cymodusa provancheri Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♀. [syn. (in part), Kentville, N.S. (C.N.C.)]

CYMODUSOPSIS Viereck

Cymodusopsis Viereck, Proc. U. S. Nat. Mus., 1912, 43: 588.

Genotype: *Cymodusopsis aristoteliae* Viereck.

***Cymodusopsis aristoteliae* Viereck**

Cymodusopsis aristoteliae Viereck, Proc. U. S. Nat. Mus., 1912, 43: 588. ♂, ♀. [o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

GELECHIIDAE: *a*, *Aristotelia pudibundella*.

CAMPOPLEX Gravenhorst

Campoplex Gravenhorst, Ichneum. Europeae, 1829, 3: 453.

Genotype: *Ichneumon difformis* Gmelin.

Sinophorus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153. New synonymy.

Genotype: (*Limneria* (*Sinophorus*) *canarsiae* Ashmead) = *validus* Cresson.

Omorgus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Preoccupied by Erichson, 1847.

Genotype: *Limneria mutabilis* Holmgren.

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Omorga Thomson, Opusc. Ent., 1887, 11: 1052, 1125.

Genotype: *Limneria mutabilis* Holmgren.

Eulimneria Schmiedeknecht, Hymen. Mitteleur., 1907, p. 600. New synonymy.

Genotype: *Campoplex xanthostomus* Gravenhorst.

Campoletidea Viereck, Proc. U. S. Nat. Mus., 1912, 42: 634. New synonymy.

Genotype: *Campoplex* (*Campoletidea*) *caradrinae* Viereck.

Sesioplex Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. New synonymy.

Genotype: *Campoplex* (*Sesioplex*) *depressus* Viereck.

Pseuderipternoides Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 268, 269. New synonymy.

Genotype: *Limneria porrecta* Cresson.

***Campoplex albicinctus* (Viereck) new combination**

Pyracmon albicinctum Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♂, ♀. [des., Oliver, B.C. (C.N.C.)]

***Campoplex angularis* Viereck**

Campoplex (*Campoplex*) *angularis* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 148. ♂, ♀. [des., Norway Point, Lake of Bays, Ont. (C.N.C.)]

***Campoplex argenteus* (Provancher) new combination**

Limneria argentea Provancher, Nat. Canad., 1874, 6: 147. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria argenta (!) Provancher, Nat. Canad., 1875, 7: 148. [key]

Limneria argentea Provancher, Nat. Canad., 1879, 11: 177; (Faune, p. 369). [key, des.]

Limneria argentea Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]

Limneria argentea Provancher, Nat. Canad., 1887, 17: 76. [Que.]

Limnerium argenteum Dalla Torre, Cat. Hymen., 1901, 3: 90. [syn.]

Limneria argentea Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex (*Campoplex*) *ontario* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 148. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

Campoplex ontario Cartwright, Ann. Rpt. S.C. Exp. Sta., 1935, 48: 44. [host *a*, S.C.]

OLETHREUTIDAE: *a*, *Epiblema strenuana*.

***Campoplex argyresthiae* (Rohwer)**

Phaedroctonus argyresthiae Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 162. ♂, ♀. [o.d., host *a*, Ashland, Ore. (U.S.N.M.)]

Campoplex (Nemeritis) argyresthiae Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 181. [syn.]

YPONOMEUTIDAE: a, *Argyresthia libocedrella*.

Campoplex atridens new name

Campoplex (Campoplex) erythromera Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♂. [des., Jordon, Ont. (C.N.C.)] Preoccupied by Viereck, 1925.

Campoplex caradrinae Viereck

Campoplex (Campoletidea) caradrinae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 634. ♂. [o.d., host a, Rocky Ford, Colo. (U.S.N.M.)]

PHALAENIDAE: a, *Laphygma exigua*.

Campoplex cavus Viereck

Campoplex (Campoplex) cavus Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 149. ♀. [des., Ottawa, Ont. (C.N.C.)]

Campoplex conocola (Rohwer) new combination

Pyracmon conocola Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 159. ♂, ♀. [o.d., host a b, Ore. and Calif. (U.S.N.M.)]

OLETHREUTIDAE: a, ?*Barbara colfaxiana taxifoliella*. PHYCITIDAE: b, *Dioryctria* sp. in cones of *Pinus coulteri*.

Campoplex coxalis (Cushman) new combination

Phaedroctonus coxalis Slosson, Ent. News, 1900, 11: 319. [N.H.] Nomen nudum.

Cymodusa coxalis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 10. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Cymodusa coxalis Viereck, Canad. Ent., 1925, 57: 179. [key]

Campoplex cupressi (Ashmead)

Limneria cupressi Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 437. ♀. [key, o.d., host a, Marion Co., Calif. (U.S.N.M.)]

Limneria cupressi Riley, N. Amer. Fauna, 1893, 7: 247. [Calif.]

Limnerium cupressi Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

Phaedroctonus minutus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 235. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

Campoplex (Nemeritis) cupressi Viereck, Canad. Ent., 1925, 57: 177. [key]; 1926, 58: 181. [syn.]

Campoplex (Nemeritis) minutus Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 181. [syn.]

Phaedroctonus cupressi Cushman, Jour. Wash. Acad. Sci., 1925, 25: 559. [syn.]
Miscellaneous: a, dipterous gall on *Cupressus macrocarpus*.

Campoplex depressus Viereck

Campoplex (Sesioplex) depressus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644.

♀. [o.d., host a, La. (U.S.N.M.)]

Sesioplex depressus Viereck, Canad. Ent., 1925, 57: 177. [key]

Sesioplex relativus Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 1926, 58: 298. ♀. [des., host b, Ottawa, Ont. (C.N.C.)] New synonymy.

Sesioplex depressus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*. Miscellaneous: b, gall on *Solidago* sp.

Campoplex dimidiatus (Cresson)

Mesoleptus? dimidiatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 265. ♀.
[o.d., Ill. (A.N.S.P.)]

Limneria dimidiata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

Limneria dimidiata Riley and Howard, Insect Life, 1890, 3: 157. [host a, Ind.]

Limnerium dimidiatum Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

Limnerium dimidiatum Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619.
[host a]

Campoplex dimidiatus Leiby, Jour. N.Y. Ent. Soc., 1922, 30: 93. [biol., host a, N.Y.]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*.

Campoplex epinotiae Viereck

Campoplex epinotiae Viereck, Proc. U. S. Nat. Mus., 1912, 43: 586. ♀.
[o.d., host a, Carmel, Calif. (U.S.N.M.)]

Omorgus epinotiae Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

Campoplex epinotiae Viereck, Canad. Ent., 1925, 57: 225. [key]

OLETHREUTIDAE: a, *Epinotia arctostaphylana*.

Campoplex erythromerus Viereck

Campoplex (Nemeritis) erythromerus Viereck, Canad. Ent., 1925, 57: 178.
[o.d. in key]; 1926, 58: 177. ♀. [des., Ottawa, Ont. (C.N.C.)]

Campoplex frustranae Cushman

Campoplex frustranae Cushman, Jour. Agr. Res., 1927, 34: 618. [biol., host a]
Nomen nudum.

Campoplex frustranae Cushman, Jour. Agr. Res., 1927, 34: 739. ♂, ♀. [o.d.,
host a, Falls Church, Va. (U.S.N.M.)]

Campoplex frustranae Marlatt, Rpt. Chief U. S. Bur. Ent., 1928, p. 29. [host a,
Neb.]

Campoplex frustranae Marlatt, Rpt. Chief U. S. Bur. Ent., 1930, p. 48. [host *a*, Neb.]

Campoplex frustranae Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

OLETHREUTIDAE: *a*, *Rhyacionia frustrana*.

Campoplex furus (Cresson)

Limneria fura Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Limneria fura Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

Limneria melanocoxa Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. ♀. [key, o.d., Bosque Co., Tex. (U.S.N.M.)] The type of this and of *L. fura* Cresson is the same specimen. New synonymy.

Limneria fura Riley and Howard, Insect Life, 1890, 3: 157. [host *a*, Fla., Tex.]

Limneria melanocoxa Howard, Insect Life, 1894, 6: 372. [host *b*]

Limnerium furum Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]

Limnerium melanocoxum Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Limneria fura Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex (*Campoplex*) *fura* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

TORTRICIDAE: *a*, ?tortricid. PYRAUSTIDAE: *b*, *Loxostege sticticalis*.

Campoplex fusiformis (Provancher) new combination

Limneria fusiformis Provancher, Nat. Canad., 1874, 6: 148. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria fusiformis Provancher, Nat. Canad., 1875, 7: 149. [key]

Limneria fusiformis Provancher, Nat. Canad., 1879, 11: 180; (Faune, p. 371). [key, des.]

Limneria fusiformis Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

Limnerium fusiforme Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]

Amorphota ferruginosa Viereck, Trans. Amer. Ent. Soc., 1906, 32: 220. ♀. [o.d., Galveston, Tex. (Univ. Kans.)] New synonymy.

Campoplex (*Campoplex*) *grossulariflorae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♀) [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Campoplex (*Campoplex*) *maquinnai* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♀). [o.d. in key, Milldale, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Campoplex (*Campoplex*) *pentagoetorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♂). [o.d. in key, West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Neonortonia scaposa Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Greys Mills, N.B. (C.N.C.)] New synonymy.

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- Pseuderipternoides deceptus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 302. ♀. [des., Greys Mills, N.B. (C.N.C.)] New synonymy.
- Pseuderipternoides neglectus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 302. ♂, ♀. [des., Ottawa, Ont. (C.N.C.), Que.] New synonymy.
- Pseuderipternoides pulchellus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 303. ♀. [des., Greys Mills, N.B. (C.N.C.)] New synonymy.
- Cymodusa fusiforme* Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 282. [syn.]
- Campoplex maquinnæ* (!) Viereck, Canad. Ent., 1925, 57: 225. [key]
- Campoplex pentagoetorum* Viereck, Canad. Ent., 1925, 57: 225. [key]
- Campoplex* (*Campoplex*) *hullensis* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 144. ♀. [des., Hull, Que. (C.N.C.)] Preoccupied in *Campoplex* by Viereck, 1925. New synonymy.
- Campoplex* (*Campoplex*) *signatus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 144. ♂. [des., Aylmer, Que. (C.N.C.)] New synonymy.
- Campoplex* (*Campoplex*) *ferruginosus* Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 176. [syn.]
- Campoplex grossulariflorae* Viereck, Canad. Ent., 1925, 57: 226. [key]

***Campoplex hexagonalis* (Viereck) new combination**

- Pseuderipternoides hexagonalis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 302. ♀. [des., Lethbridge, Alta. (C.N.C.)]

***Campoplex hullensis* (Viereck)**

- Neonortonia hullensis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Hull, Que. (C.N.C.)]
- Campoplex* (*Ischnoscopus*) *hullensis* Viereck, Canad. Ent., 1926, 58: 199. [key, syn.]
- Ischnoscopus hullensis* Viereck, Canad. Ent., 1926, 58: 283. [syn.]

***Campoplex hyalinus* (Provancher)**

- Limneria hyalina* Provancher, Nat. Canad., 1874, 6: 147. ♂, ♀. [key, o.d., Que. (M.P.Q.)]
- Limneria hyalina* Provancher, Nat. Canad., 1875, 7: 148. [key]
- Limneria hyalina* Provancher, Nat. Canad., 1879, 11: 177; (Faune, p. 364). [key, des.]
- Limneria hyalina* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]
- Limneria hyalina* Provancher, Nat. Canad., 1887, 17: 76. [Que.]
- Limneria hyalina* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]
- Limnerium hyalinum* Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]
- Neonortonia crassata* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Marshalls Bay, Arnprior, Ont. (C.N.C.)] New synonymy.

Campoplex (Campoplex) moderatus Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 143. ♀. [des., Eldorado, Hastings Co., Ont. (C.N.C.)] New synonymy.

Campoplex (Campoplex) deceptivus Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♀. [des., Kingsmere, Que. (C.N.C.)] New synonymy.

Campoplex (Diadegma) hyalina Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

Campoplex moderatus Walley, Canad. Ent., 1933, 65: 254. ♂, ♀. [des., host a b]

Campoplex hyalina Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

OLETHREUTIDAE: a, *Exartema cornanum*; b, *Exartema permundanum*.

Campoplex infumatus (Provancher) new combination

Limneria infumata Provancher, Nat. Canad., 1874, 6: 148. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria infumata Provancher, Nat. Canad., 1875, 7: 149. [key]

Limneria infumata Provancher, Nat. Canad., 1879, 11: 178; (Faune, p. 370). [key, des.]

Limneria infumata Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

Limneria infumata Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Limnerium infumatum Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

Campoplex (Hyposoter) parallelus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 219. ♀. [des., Hull, Que. (C.N.C.)] New synonymy.

Campoplex (Campoplex) algonquinorum Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 145. ♀. [des., Hemmingford, Que. (C.N.C.)] New synonymy.

Campoplex (Campoplex) grimsbyensis Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 145. ♀. [des., Grimsby, Ont. (C.N.C.)] New synonymy.

Limneria infumata Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Campoplex laspeyresiae (Rohwer) new combination

Meleborus (!) laspeyresiae Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 161. ♀. [o.d., host a, Talent, Ore. (U.S.N.M.)]

OLETHREUTIDAE: a, *Laspeyresia "toreuta."*

Campoplex macer (Cresson)

Mesoleptus macer Cresson, Proc. Ent. Soc. Phila., 1865, 4: 262. ♀. [o.d., Colo. (A.N.S.P.)]

Campoplex (Angitia) macer Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. [key, Conn.]

Campoplex (Angitia) macer, Viereck, Canad. Ent., 1926, 58: 282. [syn.]

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Angitia macer Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Angitia macer, Walley, Canad. Ent., 1927, 61: 192. [key, Ont.]

Campoplex milleri (Rohwer)

Angitia milleri Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 159. ♀. [o.d., host a, Ashland, Ore. (U.S.N.M.)]

Campoplex (*Angitia*) *milleri* Viereck, Canad. Ent., 1925, 57: 227. [key]

PHYCITIDAE: a, *Dioryctria abietella*.

Campoplex nanana new name

Phaedroctonus epinotiae Cushman, Jour. Wash. Acad. Sci., 1935, 25: 559. ♂, ♀. [o.d., host a, Bristol, Me. (U.S.N.M.)] Preoccupied in *Campoplex* by Viereck, 1912.

OLETHREUTIDAE: a, *Epinotia nanana*.

Campoplex nigricinctus (Ashmead)

Limneria nigricincta Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♂, ♀. [key, o.d., host a b, N.C.; Washington, D.C. (U.S.N.M.)]

Limnerium nigricinctum Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Omorgus nigricincta Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

Campoplex (*Campoplex*) *nigricinctus* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

Campoplex nigricincta Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

TINEIDAE: a, tineid on *Betula lenta*. Miscellaneous: b, sawfly on *Betula lenta*.

Campoplex nigricoxa (Provancher) new combination

Limneria nigricoxa Provancher, Nat. Canad., 1882, 13: 364; (Faune, p. 786). ♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

Limneria nigricoxa Provancher, Addit. Faune Canada, Hymen., 1886, p. 86. [key]

Limnerium nigricoxum Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Campoplex nigripes (Viereck) new combination

Neonortonia nigripes Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 300. ♂. [des., Greys Mills, N.B. (C.N.C.)]

Neonortonia laevissima Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Annapolis, N.S. (C.N.C.)] New synonymy.

Campoplex nolae (Ashmead)

Limneria nolae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♂, ♀. [key, o.d., host b, Los Angeles, Calif. (U.S.N.M.)]

Limneria notae (!) Slosson, Ent. News, 1895, 6: 317. [N.H.]

Meloboris notae (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.
[N.Y.]

Limnerium nolae Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

Limnerium obscurum Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619.
[syn. (in part)]

Omorgus nolae Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912,
116: 48. [host *a*, Pa.]

Omorgus nolae Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

Campoplex (*Campoplex*) *nolae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 263. [key, Conn.]

Campoplex nolae Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 9. [syn.]

Campoplex (*Hyposoter*) *fuscitarsatus* Viereck, Canad. Ent., 1925, 57: 203.
[o.d. in key]; 1926, 58: 199. ♀. [des., Aylmer, Que. (C.N.C.)] New
synonymy.

Campoplex (*Campoplex*) *nolae* Viereck, Canad. Ent., 1925, 57: 226. [key];
1926, 58: 177. [syn.]

Campoplex (*Campoplex*) *aylmerensis* Viereck, Canad. Ent., 1925, 57: 226.
[o.d. in key]; 1926, 58: 148. ♀. [des., Aylmer, Que. (C.N.C.)] New
synonymy.

OLETHREUTIDAE: *a*, *Polychrosis viteana*. NOLIDAE: *b*, *Nola* sp. on *Salix* sp.

Campoplex phthorimaeae (Cushman)

Omorgus phthorimaeae Cushman, Proc. Ent. Soc. Wash., 1915, 17: 138. ♂, ♀.
[key, o.d., host *b*, Pasadena, Calif. (U.S.N.M.)]

Campoplex phthorimaeae Graf, Bull. U. S. Dept. Agr., 1917, 427: 38. [fig.,
biol., host *b*, Calif.]

Campoplex (*Omorgus*) *phthorimaeae* Chittenden, Canad. Ent., 1922, 54: 174.
[host *c*, Calif.]

Campoplex phthorimaeae Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102.
[B.C.]

Campoplex (*Campoplex*) *phthorimaeae* Viereck, Canad. Ent., 1925, 57: 226.
[key]; 1926, 58: 177. [syn.]

Campoplex phthorimaeae Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16.
[host *b*, Va.]

Campoplex phthorimaeae Campbell, Pan-Pacific Ent., 1927, 4: 83. [host *c*,
Calif.]

Campoplex phthorimaeae Poos and Peters, Bull. Va. Truck Exp. Sta., 1927, 61:
621, 622. [host *a b*, Va.]

Campoplex phthorimaeae Poos, Proc. Ent. Soc. Wash., 1928, 30: 147. [host *b*,
Va.]

GELECHIIDAE: *a*, *Keiferia glochinella*; *b*, *Gnorimoschema operculella*. PYRAUSTIDAE:
c, *Phlyctaenia rubigalis*.

Campoplex polychrosidis Viereck

Campoplex polychrosidis Viereck, Proc. U. S. Nat. Mus., 1912, 43: 586. ♀. [o.d., host *a b*, Hyattsville, Md. (U.S.N.M.)]

Omorgus polychrosidis Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

Campoplex (*Campoplex*) *polychrosidis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. [key]

Campoplex polychrosidis Viereck, Canad. Ent., 1925, 57: 225. [key]

Campoplex polychrosidis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

OLETHREUTIDAE: *a*, *Polychrosis carduana*. PTEROPHORIDAE: *b*, *Platyptilia carduidactyla*.

Campoplex popofensis (Ashmead) new combination

Zachresta popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 234. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

Campoplex porrectus (Cresson) new combination

Mesoleptus porrectus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 266. ♀. [o.d., Del. (A.N.S.P.)]

Mesoleptus subtennis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 267. ♂. [o.d., Ill. (A.N.S.P.)] New synonymy.

Limneria ruficoxa Provancher, Nat. Canad., 1875, 7: 146, 149. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria ruficoxa Provancher, Nat. Canad., 1879, 11: 180; (Faune, p. 372). [key, des.]

Limneria ruficoxa Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

Limneria ruficoxa Provancher, Nat. Canad., 1887, 16: 46. [Que.]

Limneria ruficoxa Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

Limnerium ruficoxum Dalla Torre, Cat. Hymen., 1901, 3: 103. [syn.]

Olesicampa melanerythrogaster Viereck, Trans. Kans. Acad. Sci., 1905, 19: 306. ♂, ♀. [o.d., Clark Co., Kans., 1962 ft. (Univ. Kans.)] New synonymy.

Casinaria (*Pseuderipternoides*) *porrecta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 269. [key, des., Conn.]

Pseuderipternoides porrectus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.] *Nemeritis ruficoxa* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Pseuderipternoides melanerythrogaster Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 283. [syn.]

Pseuderipternoides porrectus Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 283. [syn.]

Campoplex ruficoxa Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Nemeritis ruficoxa Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

Pseuderipternoides porrectus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [syn., Mass.]

Campoplex relativus (Viereck)

Amorphota relativa Viereck, Trans. Kans. Acad. Sci., 1905, 19: 307. ♀. [o.d., Clark Co., Kans., 1962 ft. (Univ. Kans.)]

Campoplex (*Campoplex*) *relativus* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

Campoplex ruficinctum (Viereck) new combination

Pyracmon ruficinctum Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 5. ♂. [des., Lethbridge, Alta. (C.N.C.)]

Campoplex rufipes (Provancher) new combination

Limneria rufipes Provancher, Nat. Canad., 1874, 6: 149. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria rufipes Provancher, Nat. Canad., 1875, 7: 149. [key]

Limneria rufipes Provancher, Nat. Canad., 1879, 11: 176; (Faune, p. 368). [key, des.]

Limneria mellipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key] Lapsus for *Limneria rufipes*.

Limneria rufipes Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

Limneria rufipes Riley and Howard, Insect Life, 1890, 3: 158. [host *b*, D.C.]

Limneria rufipes Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Limnerium rufipes Dalla Torre, Cat. Hymen., 1901, 3: 103. [syn.]

Limneria rufipes Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex (*Nemeritis*) *melanomerus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 177. ♂. [des., Oliver, B.C. (C.N.C.)] New synonymy.

Campoplex (*Nemeritis*) *decoratus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 180. ♀. [des., Chilcotin, B.C. (C.N.C.)] New synonymy.

Campoplex (*Nemeritis*) *laevis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 180. ♀. [des., Saskatoon, Sask. (C.N.C.)] New synonymy.

Phaedroctonus piceae Cushman, Jour. Wash. Acad. Sci., 1935, 25: 560. ♂, ♀. [o.d., host *a c*, Georgetown, Me. (U.S.N.M.), Mass.] New synonymy.

GELECHIIDAE: *a*, *Recurvaria piceaella*. TORTRICIDAE: *b*, "*Tortrix*" on *Quercus* sp. OLETHREUTIDAE: *c*, *Epinotia nanana*.

Campoplex sulcatellus Viereck

Campoplex (*Campoplex*) *sulcatellus* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 130. ♀. [des., Indian Head, Sask. (C.N.C.)]

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Campoplex tecumseh Viereck

Campoplex (*Campoplex*) *tecumseh* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 130. ♂. [des., Jordon, Ont. (C.N.C.)]

Campoplex temporalis (Cushman) new combination

Phaedroctonus temporalis Cushman, Jour. Wash. Acad. Sci., 1935, 25: 560. ♀. [o.d., host *a*, Groton, Vt. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Laspeyresia youngana*.

Campoplex tineavora (Rohwer)

Angitia tineavora Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 160. ♂, ♀. [o.d., host *a*, Mistletoe, Ore. (U.S.N.M.)]

Campoplex (*Angitia*) *tineavora* Viereck, Canad. Ent., 1925, 57: 227. [key]

TINEIDAE: *a*, tineid in *Polyporus dryophilus*.

Campoplex tortricidis (Cushman)

Omorgus tortricidis Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. ♂, ♀. [key, o.d., host *b*, North East, Pa. (U.S.N.M.)]

Campoplex tortricidis Cushman, Proc. Ent. Soc. Wash., 1926, 28: 50. [fig., biol.]

Campoplex tortricidis Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *a*, Ohio]

OLETHREUTIDAE: *a*, *Grapholitha molesta*; *b*, *Polychrosis viteana*.

Campoplex ultimus Viereck

Campoplex (*Campoplex*) *ultimus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 147. ♀. [des., Ottawa, Ont. (C.N.C.)]

Campoplex uniformis Viereck

Campoplex (*Nemeritis*) *uniformis* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 177. ♂. [des., Banff, Alta. (C.N.C.)]

Campoplex valens (Cresson) new combination

Mesoleptus valens Cresson, Proc. Ent. Soc. Phila., 1865, 4: 261. ♀. [o.d., Colo. (A.N.S.P.)]

Casinarina compacta Davis, Trans. Amer. Ent. Soc., 1898, 24: 362. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Pyracmon valens Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 6. [syn.]

Campoplex validus (Cresson)

Mesoleptus? *validus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 258. ♂, ♀. [o.d., Pa. (A.N.S.P.)]

- Mesoleptus montanus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 261. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.
- Limneria excavata* Provancher, Nat. Canad., 1875, 7: 146, 149. ♀. [key, o.d., Que. (M.P.Q.)]
- Limneria valida* Provancher, Nat. Canad., 1879, 11: 174; (Faune, p. 367). [key, syn., des., fig.]
- Limneria valida* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Limneria valida* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]
- Limneria teratis* Weed, Bull. Ill. State Lab. Nat. Hist., 1887, 3: 40. ♀. [o.d., host *a*, (Urbana, Ill.) (Ill. Nat. Hist. Surv.)] New synonymy.
- Limneria valida* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
- Limneria valida* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
- Limneria* (*Sinophorus*) *canarsiae* Ashmead, Proc. Ent. Soc. Wash., 1897, 4: 126. ♀. [o.d., fig., host *c*, Normal, Ill. (Ill. Nat. Hist. Surv.)] New synonymy.
- Limneria valida* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 23. [fig., biol., host *g p r*, D.C.]
- Limneria valida* Howard, Ann. Rpt. Ent. Soc. Ont., 1898, 28: 88. [host *g*, D.C.]
- Limnerium triste* (!) Dalla Torre, Cat. Hymen., 1901, 3: 105. [syn.] Lapsus for *Limnerium teratis*.
- Limnerium validum* Dalla Torre, Cat. Hymen., 1901, 3: 106. [syn.]
- Limneria valida* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Amorphota augusta* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 180. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.
- Limnerium canarsiae* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [syn.]
- Limnerium validum* Smith, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19: 43-44, 49-57, 62. [biol., host *p*, parasite *a b*]
- Limnerium validum* Timberlake, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19: 71-92. [fig., biol., host *e h i j*, morphology]
- Limnerium validum* Hewitt, Rpt. Exp. Farms Canada for 1913-14, 1915, p. 861. [host *p*, N.B.]
- Campoplex* (*Ameloctonus*) *validus* Baird, Proc. Ent. Soc. B.C., 1920, 11: 102. [host *f*, B.C.]
- Campoplex* (*Ameloctonus*) *validus* Tothill, Bull. Canad. Dept. Agr., 1922, (n.s.) 3: 74-76. [fig., biol., host *p*, B.C., N.B., N.S., Ont., Que.]
- Sesioplex validus* Viereck, Canad. Ent., 1925, 57: 177. [key]
- Campoplex* (*Ecpchora*) *canadensis* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 282. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
- Campoplex* (*Campoplex*) *justus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 147. (as *Campoplex justus* (!)). ♀. [des., Sudbury, Ont. (C.N.C.)] New synonymy.
- Campoplex* (*Campoplex*) *militaris* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 147. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

Campoplex (Campoplex) augustus Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 177. [syn.]

Eulimneria valida Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Sesioplex validus Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, 43. [fig., biol.]

Sesioplex validus Viereck, Canad. Ent., 1926, 58: 283. [syn.]

Sesioplex validus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Eulimneria valida Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

Sesioplex validus Baldus, Ohio Jour. Sci., 1929, 29: 235. [des., biol., host b, Ill.]

Eulimneria valida Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

Eulimneria valida Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 152. [biol., host d e g k l m n o p q, New England, N.J., N.Y.]

TORTRICIDAE: a, *Peronea minuta*. PHYCITIDAE: b, *Phlyctaenia tertialis*. PYRAUSTIDAE: c, *Psorosina hammondi*. GEOMETRIDAE: d, *Calocalpe undulata*. LASIOCAMPIDAE: e, *Malacosoma americanum*; f, *Malacosoma disstria erosum*. LYMANTRIDAE: g, *Hemerocampa leucostigma*; h, *Notolophus antiquus*; i, *Nygmia phaeorrhea*; j, *Porthetria dispar*. NOTODONTIDAE: k, *Ichthyura inclusa*; l, *Ichthyura strigosa*; m, *Schizura concinna*. ARCTIIDAE: n, *Cycnia tenera*; o, *Euchaetias egle*; p, *Hyphantria cunea*; q, *Isia isabella*. ICHNEUMONIDAE: r, *Iseropus coelebs*.

Parasites. Chalcididae: a, *Dibrachys cavus*; b, *Perilampus hyalinus*.

NYTHOBIA Foerster

Nythobia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153.

Genotype: *Meloboris pusio* Holmgren.

Nythobia brachyura (Viereck) new combination

Campoplex (Nemeritis) brachyurus Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 178. ♀. [des., Georgetown, Ont. (C.N.C.)]

Nythobia minuta Cushman

Zaporus minutus Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Nythobia minuta Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 19. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

IDECHTHIS Foerster

Idechthis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Genotype: (*Idechthis oahuensis* Ashmead) = *canescens* Gravenhorst.

Idechthis canescens (Gravenhorst)

Campoplex canescens Gravenhorst, Ichneum. Europeae, 1829, 3: 555. ♀. [o.d., Tauria, Europe (?Breslau Mus.)]

Cryptus ductilis Say, Boston Jour. Nat. Hist., 1836, 1: 233; (Leconte Ed., 2: 690). ♀. [o.d., Ind. (type destroyed)]

- Campoplex frumentarius* Rondani, Bull. Soc. Ent. Ital., 1877, 9: 169. [o.d., host, (Italy) (location of type unknown)]
- Limneria ductilis* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Omorga columbiana* Johnson, Bull. U. S. Dept. Agr., Div. Ent., 1899, 20: 67. [host c] Nomen nudum.
- Idechthis ephestiae* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 86. [host c, Ont.] Nomen nudum.
- Limneria ductilis* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Omorgus* (*Campoplex*) *frumentarius* Newell and Smith, Bull. U. S. Dept. Agr., Bur. Ent., 1905, 52: 72. [host c, Ga.]
- Omorga frumentaria* Chittenden, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 104: 30. [fig., biol., host a]
- Omorgus frumentarius* Popenoe, Cir. U. S. Dept. Agr., 1911, 142: 3. [host d]
- Idechthis* sp. Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. ♀. [fig., host c]
- Omorga frumentaria* Back, Bull. U. S. Dept. Agr., 1920, 872: 11. [host c]
- Campoplex* (*Nemeritis*) *canescens* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 161. [syn., Mich.]
- Nemeritis canescens* Champlain, Psyche, 1922, 29: 96. [Pa.]
- Nemeritis canescens* Richmond, Cir. State Ent. Colo., 1925, 47: 74. [biol., host e, Colo.]
- Nemeritis canescens* Richmond, Jour. Econ. Ent., 1925, 18: 425. [host e, Colo.]
- Irechthis* (!) *canescens* Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 181. [syn.]
- Idechthis canescens* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]
- Nemeritis canescens* Essig, Insects of Western N. Amer., 1926, p. 791. [des., host c, Calif.]
- Nemeritus* (!) *canesceus* (!) Paddock, Amer. Bee Jour., 1926, 66: 555. [syn., host e, Ut.]
- Nemeritis canescens* Whiting, Psyche, 1928, 35: 125-126. [biol., host c, Mass.]
- Nemeritis canescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]
- Nemeritis canescens* Diamond, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 84-89. [biol., host c]
- Nemeritis canescens* Dunham, Amer. Bee Jour., 1929, 69: 396. [des., fig., biol., host d, Ohio]
- Nemeritis canescens* Hamlin, Reed, and Phillips, Tech. Bull. U. S. Dept. Agr., 1931, 242: 23. [host d, Calif.]
- Nemeritis canescens* personnel of Dried Fruit Insect Lab. at Fresno Calif., Monthly Bull. Calif. Dept. Agr., 1934, 23: 205. [host b, Calif.]
- Nemeritis canescens* Donohoe and Barnes, Jour. Econ. Ent., 1934, 27: 1070-1072. [host b, Calif.]
- Idechthis canescens* Back & Cotton, Farmers' Bull. U. S. Dept. Agr., 1938, 1260, revised: 43. [des., fig., biol., host c]

PHYCITIDAE: a, *Ephestia cautella*; b, *Ephestia figulilella*; c, *Ephestia kuehniella*; d, *Plodia interpunctella*. GALLERIIDAE: e, *Galleria mellonella*.

Idechthis erythropus (Ashmead)

Limneria erythropus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♂.
[key, o.d., Tex. (U.S.N.M.)]
Limnerium erythropum Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]
Idechthis erythropus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185.
[key]

Idechthis gelechia (Ashmead)

Limneria gelechia Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 432. ♀. [key,
o.d., host b, Kirkwood, Mo. (U.S.N.M.)]
Limnerium gelechia Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]
Idechthis gelechia Parker, Bienn. Rpt. Dir. Kans. Agr. Exp. Sta., 1938, 9: 107.
[host a, Kans.]
GELECHIIDAE: a, *Fascista cercerisella*; b, "*Gelechia*" sp.

Idechthis nigricoxalis Cushman

Idechthis nigricoxalis Cushman, Proc. U. S. Nat. Mus., 1915, 48: 512. ♂, ♀.
[o.d., host a c, Youngstown, N.Y. (U.S.N.M.), Ga.]
Idechthis nigricoxalis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185.
[key]
Idechthis nigricoxalis Merritt, Jour. Econ. Ent., 1933, 26: 789. [host b, Mich.]
AEGERIIDAE: a, *Sanninoidea exitiosa*. OLETHREUTIDAE: b, *Grapholitha molesta*.
PHYCITIDAE: c, *Euzophera semifuneralis*.

Idechthis nigriscapus Viereck

Idechthis nigriscapus Viereck, Psyche, 1921, 28: 77. ♀. [o.d., Glencarlyn,
Va. (M.C.Z.), Md.]
Idechthis nigriscapus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185.
[key]
Idechthis mimicus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185.
♂. [key, o.d., Georgetown, Ont. (C.N.C.)] New synonymy.
Idechthis nigriscapus Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

Idechthis sakanakiakorum (Viereck)

Casinarina (Idechthis) sakanakiakorum Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 270. (♂). [o.d., New Haven, Conn. (Conn. Agr. Exp.
Sta.)]
Idechthis sakanakiakorum Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5:
185. [key]

CHAROPS Holmgren

Charops Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 324.

Genotype: *Campoplex decipiens* Gravenhorst.

Casinaria Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 325. New synonymy.

Genotype: *Campoplex tenuiventris* Gravenhorst.

Amorphota Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 151.

Genotype: (*Amorphota orgyiae* Howard) = *limenitidis* Howard.

Campotrephus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Casinaria tenuiventris* Gravenhorst.

Alcima Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Casinaria tenuiventris* Gravenhorst.

Anempheres Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Genotype: (*Anempheres diaphaniae* Viereck) = *infesta* Cresson.

Trophocampa Schmiedeknecht, Hymen. Mitteleur., 1907, 2: 598. New synonymy.

Genotype: *Casinaria mesozosta* Gravenhorst.

Fiebrigia Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. New synonymy.

Genotype: *Campoplex texanus* Ashmead.

Zacharops Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. New synonymy.

Genotype: *Charops annulipes* Ashmead.

Neonortonia Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592. New synonymy.

Genotype: *Casinaria* (*Neonortonia*) *genuina* Norton.

Zastenomorpha Viereck, Psyche, 1921, 28: 81. New synonymy.

Genotype: *Zastenomorpha lamina* Viereck.

Zastenogastra Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 259. New synonymy.

Genotype: *Zastenogastra graciliventris* Viereck.

Charops ambigua new name

Nematopodius texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 414. ♂.

[o.d., Tex. (U.S.N.M.)] Preoccupied in *Charops* by Ashmead, 1890.

Charops annulipes Ashmead

Charops annulipes Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. ♂. [o.d., Mo. (U.S.N.M.)]

Zacharops annulipes Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. [syn.]

Charops eupitheciae (Viereck) new combination

Casinaria eupitheciae Viereck, Proc. U. S. Nat. Mus., 1912, 43: 586. ♂, ♀. [o.d., host a, East River, Conn. (U.S.N.M.)]

Casinaria scabriformis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635. ♀. [o.d., Castle Rock, Delaware Co., Pa. (U.S.N.M.)] New synonymy.

- Casinaria* (*Casinaria*) *eupitheciae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 270. [des., Conn.]
- Neonortonia eupitheciae* Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 283. [syn.]
- Campoplex* (*Hypothereutes*) *impetitus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 223. ♀. [des., Brule River Camp, Riordan Limits, Que. (C.N.C.)]
- Casinaria scabrifformis* Allen and Painter, Jour. Agr. Res., 1937, 55: 225. [host d, Kans.]
- Casinaria eupitheciae* Walley, Sci. Agr., 1940, 20: 651. [syn.]
- Casinaria semiothisae* Walley, Canad. Ent., 1941, 73: 169. ♂, ♀. [o.d., host b c, Mattawa, Ont. (C.N.C.), Que.] New synonymy.
- Casinaria eupitheciae* Walley, Canad. Ent., 1941, 73: 169. [syn., des., Pa.]
- GEOMETRIDAE: a, *Eupithecia miserulata*; b, *Semiothisa bisignata*; c, *Semiothisa granitata*. CHLOROPIDAE: d, *Meromyza americana*.

Charops genuina (Norton) new combination

- Campoplex genuinus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♂, ♀. [o.d., Farmington, Conn. (Yale Univ.)]
- Mesoleptus major* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 257. ♂. [o.d., biol., Del. (A.N.S.P.)] New synonymy.
- Mesoleptus major* Provancher, Nat. Canad., 1875, 7: 270, 271. [key, Que.]
- Campoplex niger* Provancher, Nat. Canad., 1879, 11: 148; (Faune, p. 362). ♀. [key, o.d., fig., Que. (M.P.Q.)]
- Limneria genuina* Provancher, Nat. Canad., 1879, 11: 177; (Faune, p. 369). [key, des.]
- Limneria genuina* var. *niger* Provancher, Nat. Canad., 1882, 13: 364. [syn.]
- Limneria genuina* Taylor, Canad. Ent., 1884, 16: 91. [biol., B.C.]
- Limneria genuina* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]
- Limneria major* Cresson, Synops. Hymen. N. Amer., 1887, p. 203. [syn.]
- Casinaria major* Riley and Howard, Insect Life, 1890, 3: 157. [host f, Tex.]
- Exetastes? niger* Davis, Proc. Acad. Nat. Sci. Phila., 1894, 21: 188. [syn.]
- Limneria major* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
- Limnerium majus* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]
- Exetastes provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 73. New name for *Campoplex niger* Provancher.
- Campoplex genuinus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [host e]
- Anephares(!) rufipes* Hancock, Nature Sketches in Temperate America, 1911, p. 177. ♀. [o.d., biol., fig., host d (? Chicago Ill.) (U.S.N.M.)] New synonymy.
- Casinaria* (*Neonortonia*) *genuina* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592. [syn.]

Casinaria (Neonortonia) genuina Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 271. [des.]

Exetastes suaveolens Gahan, Proc. U. S. Nat. Mus., 1919, 55: 114. [syn. (in part)]

Neonortonia genuina Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta., B.C.]

Neonortonia genuina Viereck, Canad. Ent., 1925, 57: 179. [key]

Casinaria genuina Cole, Ent. News, 1931, 42: 9. [host *a*, Mich.]

Neonortonia major Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 149. [biol., host *b c*, Me., Mass., N.H., Vt.]

Casinaria genuina Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. [syn.]

PHALAENIDAE: *a*, *Acronicta oblongata*. ARCTIIDAE: *b*, *Estigmene acrea*; *c*, *Hyphantria cunea*; *d*, wooly bear. DIPRIONIDAE: *e*, *Neodiprion abietis*; Miscellaneous: *f*, grape-vine larva.

Charops infesta (Cresson) new combination

Limneria infesta Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Limneria sessilis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 433. ♀. [key, o.d., Washington, D.C. (U.S.N.M.)] Preoccupied by Provancher, 1875.

Limneria? erythrogaster Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 434. ♀. [key, o.d., Selma, Ala. (U.S.N.M.)]

Limnerium ashmeadii Dalla Torre, Cat. Hymen., 1901, 3: 90. [new name for *Limneria sessilis* Ashmead]

Limnerium erythrogastrum Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limnerium infestum Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

Angitia autumnalis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 181. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.

Anempheres diaphaniae Viereck, Proc. U. S. Nat. Mus., 1911, 40: 188. ♀. [o.d., host *b*, Raleigh, N.C. (U.S.N.M.)]

Amorphota diaphaniae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631. [syn.]

Casinaria infesta Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn.]

Amorphota infesta Chittenden, Canad. Ent., 1922, 54: 174. [host *d*, Calif.]

Neonortonia autumnalis Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 383. [syn.]

Amorphota infesta Viereck, Trans. Roy. Soc. Canad., 1926, 20, sect. 5: 183. [key]

Amorphota diaphaniae Viereck, Trans. Roy. Soc. Canad., 1926, 20, sect. 5: 183. [key]

Casinaria infesta Poos, Proc. Ent. Soc. Wash., 1928, 30: 146. [host *c*, Va.]

Casinaria infesta Ball, Reeves, Boyden, and Stone, Tech. Bull. U. S. Dept. Agr., 1935, 463: 40. [biol., host *d e*, Fla.]

Casinaria infesta Summerland, Trans. Kans. Acad. Sci., 1938, 40: 164. [host *a*, Kans.]

Casinaria infesta Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Amorphota diaphaniae Brimley, Insects of N.C., 1938, p. 415. [N.C.]

OLETHREUTIDAE: a, *Ancylis comptana*. PYRAUSTIDAE: b, *Diaphania hyalinata*; c, *Hymenia fascialis*; d, *Phlyctaenia rubigalis*. PHALAENIDAE: e, *Autographa falcifera*.

Charops lamina (Viereck) new combination

Zastenomorpha lamina Viereck, Psyche, 1921, 28: 81. ♀. [o.d., Great Falls, Va. (M.C.Z.)]

Zastenomorpha lamina Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Charops limenitidis (Howard) new combination

Limneria limenitidis Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1883. ♂. [key, o.d., biol., host f, Coalburgh, W.Va. (U.S.N.M.)]

Amorphota orgyiae Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 20-21, 53. [o.d., biol., fig., host b, D.C. (U.S.N.M.)] New synonymy.

Limnerium limenitidis Dalla Torre, Cat. Hymen. 1901, 3: 98. [syn.]

Casinaria orgyiae Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn.]

Casinaria (Amorphota) orgyiae Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 269. [key, des.]

Amorphota orgyiae Felt, Jour. Econ. Ent., 1918, 11: 386. [biol., host a, parasite a, N.Y.]

Neonortonia graciliforma Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 300. ♂. [des., Winnipeg, Man. (C.N.C.)] New synonymy.

Amorphota orgyiae Viereck, Trans. Roy. Soc. Canad., 1926, 20, sect. 5: 183. [key]

Neonortonia orgyiae Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [host b, Man.]

Casinaria orgyiae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Casinaria orgyiae Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 149. [biol., host b d e, Conn., Mass., N.J., N.Y.]

Casinaria orgyiae Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 8. [host c, Canada]

LASIOCAMPIDAE: a, *Malacosoma americanum*. LYMANTRIIDAE: b, *Hemerocampa leucostigma*; c, *Notolophus antiquus*; d, *Olene basiflava*; ARCTIIDAE: e, *Hyphantria cunea*. NYMPHALIDAE: f, *Basilarchia archippus*.

Parasite: a, *Gelis tenellus*.

Charops texana (Ashmead) new combination

Campoplex texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 427. ♀. [o.d., Tex. (U.S.N.M.)]

Fiebrigia texana Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. [syn.]

Campoplegidea texana Walley, Sci. Agr., 1940, 20: 706. ♂, ♀. [syn.] Synonymy erroneous.

BATHYPLECTES Foerster

Canidia Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 103. Preoccupied by Thomson, 1857.

Genotype: (*Canidia pusilla* Holmgren) = *exiguus* Gravenhorst.

Bathyplectes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Canidia exigua* Gravenhorst.

Canidiella Ashmead, Canad. Ent., 1900, 32: 368. New name for *Canidia* Holmgren.

Bathyplectes bryanti (Viereck)

Campoplex (*Bathyplectes*) *bryanti* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 223. ♀. [des., Bilby, Alta. (C.N.C.)]

Bathyplectes curculionis (Thomson)

Canidia Curculionis Thomson, Opusc. Ent., 1887, 11: 1113. ♀. [o.d., north and middle Europe (?Lund Mus.)]

Canidiella curculionis Webster, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 112: 38. [fig., biol., Italy]

Bathyplectes curculionis Hagan, Monthly Bull. Calif. Dept. Agr., 1919, 8: 470. [biol.]

Bathyplectes curculionis List and Wakeland, Cir. State Ent. Colo., 1919, 27: 34. [biol.]

Bathyplectes curculionis Wakeland, Cir. State Ent. Colo., 1920, 28: 28. [fig., biol.]

Bathyplectes curculionis Newton, Cir. State Ent. Colo., 1921, 34: 43, 44. [Colo.]

Bathyplectes curculionis Newton, Cir. State Ent. Colo., 1923, 38: 25. [Colo.]

Bathyplectes curculionis Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1923, 131: 36. [host *a*, Ida.]

Bathyplectes curculionis Wakeland, Ida. Farmer, 1923, 32: 39. [des., biol., host *a*, Ida.]

Campoplex (*Bathyplectes*) *curculionis* Viereck, Canad. Ent., 1925, 57: 224. [key]

Bathyplectes curculionis Snow, Bull. Nev. Agr. Exp. Sta., 1925, 108: 7. [host *a*, Nev.]

Bathyplectes curculionis Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1925, 135: 28. [host *a*, Ida.]

Bathyplectes curculionis Gillette, Ann. Rpt. Colo. Agr. Exp. Sta., 1925, 37: 28. [host *a*, Colo.]

Bathyplectes curculionis Chamberlin, Jour. Econ. Ent., 1926, 19: 302-310, 642. [biol., host *a*, Ut.]

Bathyplectes curculionis Newton, Jour. Econ. Ent., 1926, 19: 374. [biol., Colo.]

Bathyplectes curculionis Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1926, 142: 17. [host *a*, Ida.]

- Bathyplectes curculionis* Reeves, Farmers' Bull. U. S. Dept. Agr., 1927, 1528: 11. [biol., host *a*]
- Bathyplectes curculionis* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *a*, Ut.]
- Bathyplectes curculionis* Marlatt, Rpt. Chief U. S. Bur. Ent., 1930, p. 17. [host *a*, Nev.]
- Bathyplectes curculionis* Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1931, 179: 29. [host *a*, Ida.]
- Bathyplectes curculionis* Michelbacher and Essig, Jour. Econ. Ent., 1933, 27: 965. [Calif.]
- Bathyplectes curculionis* Smith, Ann. Ent. Soc. Amer., 1933, 26: 527-528. [biol.]
- Bathyplectes curculionis* Essig and Michelbacher, Bull. Calif. Agr. Exp. Sta., 1933, 567: 63-67. [fig., biol., host *a*, distribution (various authors quoted, giving distribution as Europe, Tunis, and Turkestan)]
- Bathyplectes curculionis* Sorenson, Bull. Ut. Agr. Exp. Sta., 1934, 250: 48. [biol., host *a*, parasite *g*, Ut.]
- Bathyplectes curculionis* Sorenson, Proc. Ut. Acad. Sci., 1934, 11: 249-251. [parasite *a b c d e f*, Ut.]
- Bathyplectes curculionis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]
- Bathyplectes curculionis* Michelbacher, Jour. Econ. Ent., 1940, 33: 892-895. [biol., host *a*, Calif.]
- Bathyplectes curculionis* Michelbacher, Hilgardia, 1940, 13: 81-99. [fig., biol., host *a*, Calif.]

CURCULIONIDAE: *a*, *Hypera postica*.

Parasites. CHALCIDIDAE: *a*, *Catolaccus aeneoviridis*; *b*, *Dibrachys cavus*; *c*, *Eupelmella vesicularis*; *d*, *Eupteromalus* sp.; *e*, *Habrocytus* spp.; *f*, *Tetrastichus bruchophagi*; *g*, chalcid.

***Bathyplectes exiguus* (Gravenhorst)**

- Campoplex exiguus* Gravenhorst, Ichneum. Europeae, 1829, 3: 499. ♀. [o.d., "circa Norimbergam, Sickershausen et Berolinum lectae" (Europe) (?Breslau Mus.)]
- Limneria sessilis* Provancher, Nat. Canad., 1875, 7: 148, 149. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.
- Limneria sessilis* Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 370). [key, des.]
- Limneria sessilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]
- Limnerium sessile* Dalla Torre, Cat. Hymen., 1901, 3: 104. [syn.]
- Campoplex* (*Bathyplectes*) *etemankiakorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♂). [key, o.d., West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

- Bathyplectes exigua* Rockwood, Canad. Ent., 1920, 52: 39. [biol., host *a*, Wash.]
- Bathyplectes exigua* Detwiler, Bull. Cornell Univ. Agr. Exp. Sta., 1923, 420: 19. [biol., host *a*, N.Y.]
- Bathyplectes exigua* Underhill, Quart. Bull. Va. State Crop Pest Comm., 1924, 6, no. 1: 6. [host *a*, Va.]
- Campoplex* (*Bathyplectes*) *phytonomi* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 222. ♂, ♀. [des., host ?*a*, Ottawa, Ont. (C.N.C.), B.C., Que.] New synonymy.
- Campoplex* (*Diadegma*) *sessile* Viereck, Canad. Ent., 1925, 57: 227 [key]; 1926, 58: 281. [syn.]
- Bathyplectes exigua* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host *a b*, N.Y.]
- Bathyplectes exigua* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Bathyplectes exigua* Chamberlin, Proc. Ent. Soc. Wash., 1933, 35: 106. [biol., host *c*, Ore.]
- CURCULIONIDAE: *a*, *Hypera nigrirostris*; *b*, *Hypera punctata*; *c*, *Hypera rumicis*.

BIOLYSIA Schmiedeknecht

- Biolysia* Schmiedeknecht, Hymen. Mitteleur., 1907, p. 601.
Genotype: *Nepiesta marginella* Thomson.

Biolysia tristis (Gravenhorst) new combination

- Campoplex tristis* Gravenhorst, Ichneum. Europeae, 1829, 3: 492. ♂, ♀. [o.d., "in Superga prope Taurinum" and "prope Genuam" (Europe) (? Breslau Mus.)]
- Bathyplectes tristis* Dicke, Jour. Econ. Ent., 1937, 30: 375-376. [biol., host *a*, Va.]
- CURCULIONIDAE: *a*, *Hypera punctata*.

CAMPOLETIS Foerster

- Sagaritis* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 325. Pre-occupied by Billberg, 1820 and by Huebner, 1821.
Genotype: *Campoplex declinator* Gravenhorst.
- Campoletis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157.
Genotype: *Mesoleptus tibiator* Cresson. Included by Houghton, Rpt. Del. Agr. Exp. Sta., 1907, rpts. 16, 17, & 18: 89.

Campoletis apicatus (Viereck) new combination

- Sagaritis apicatus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 128. ♀. [des., Sudbury, Ont. (C.N.C.)]
- Sagaritis apicatus* Walley, Canad. Ent., 1927, 59: 230. [key]
- MEM. AMER. ENT. SOC., 11 pt. 2.

Campoletis aprilis (Viereck) new combination

Sagaritis aprilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263.

(♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]

Sagaritis aprilis Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

Sagaritis bigelowi Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58:

33. ♀. [des., Macdiarmid, Lake Nipigon, Ont. (C.N.C.) New synonymy.

Sagaritis citrinus Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58:

123. ♀. [des., Oliver, B.C. (C.N.C.), Ont.) New synonymy.

Sagaritis aprilis Viereck, Canad. Ent., 1925, 57: 200. [key]

Sagaritis bigelowi Walley, Canad. Ent., 1927, 59: 227. [key]

Sagaritis citrinus Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis aprilis Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis argentifrons (Cresson) new combination

Mesoleptus dubitatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 259. ♀. [o.d., Ill. (A.N.S.P.)] New synonymy.

Mesoleptus argentifrons Cresson, Proc. Ent. Soc. Phila., 1864, 3: 261. ♂. [o.d., Ill. (A.N.S.P.)]

Mesoleptus vicinus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 268. ♀. [o.d., N.J. (A.N.S.P.), Pa.] New synonymy.

Limneria dubitata Provancher, Nat. Canad., 1882, 13: 365; (Faune, p. 787).

♂, ♀. [des., Que.]

Limneria dubitata Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

Limneria vicina Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]

Limneria argentifrons Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

Limneria dubitata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

Limneria vicina Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

Limneria consimilis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♀. [key, o.d., Tex. (U.S.N.M.)] New synonymy.

Limneria argentifrons Riley and Howard, Insect Life, 1890, 3: 158. [host c, Ind.]

Limneria dubitata Riley and Howard, Insect Life, 1890, 3: 158. [host ?n, Ind., Mass., Tex.]

Limneria dubitata Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Limneria dubitata Harrington, Canad. Ent., 1897, 29: 45. [B.C.]

Rhimphoctona argentifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.Y.]

Meloboris dubitata Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.J.]

Limnerium argentifrons Dalla Torre, Cat. Hymen., 1901, 3: 90. [syn.]

Limnerium consimile Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

Limnerium provancheri Dalla Torre, Cat. Hymen., 1901, 3: 102. New name for *Mesoleptus dubitatus* Cresson.

- Limnerium vicinum* Dalla Torre, Cat. Hymen., 1901, 3: 106. [syn.]
- Limneria argentifrons* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria dubitata* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria vicina* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Limnerium argentifrons* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619.
[host c]
- Limnerium provancheri* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619.
[host n]
- Sagaritis dubitatus* Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn. (in part)]
- Sagaritis provancheri* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. [key, Conn.]
- Sagaritis dubitatus* Phillips and King, Farmers' Bull. U. S. Dept. Agr., 1923, 1310: 12. [host k]
- Sagaritis dubitatus* Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host g k m n s, Tex.]
- Sagaritis consimilis* Rockwood, Jour. Econ. Ent., 1925, 18: 720. [host f]
- Olesicampe argentifrons* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
- Sesioplex heliaeformis* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 298. ♀. [des., Jordan, Ont. (C.N.C.)] New synonymy.
- Sagaritis strigosus* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 73. ♂, ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis evansi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 74, 129. ♀. [key, des., host v, Prince Edward Co., Ont. (C.N.C.), N.S., Sask.] New synonymy.
- Sagaritis englishi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 75. ♀. [des., St. Johns, Newfoundland (C.N.C.)] New synonymy.
- Sagaritis conspicuosus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♂. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis inconspicuus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♂. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis interruptus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 127, 129. ♂. [key, des., Grimsby, Ont. (C.N.C.)] New synonymy.
- Sagaritis consimilis* Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]
- Sagaritis provancheri* Poos, Bull. Va. Truck Exp. Sta., 1926, 56: 495. [host d, Va.]
- Sagaritis interruptus* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis strigosus* Walley, Canad. Ent., 1927, 59: 229. [key]
- Sagaritis evansi* Walley, Canad. Ent., 1927, 59: 229. [key]
- Sagaritis englishi* Walley, Canad. Ent., 1927, 59: 229. [key]
- Sagaritis conspicuosus* Walley, Canad. Ent., 1927, 59: 230. [key]
- Sagaritis inconspicuus* Walley, Canad. Ent., 1927, 59: 230. [key]
- Sagaritis consimilis* Walley, Canad. Ent., 1927, 59: 231. [key]
- Sagaritis consimilis* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191.
[host b, N.J.]

- Sagaritis provancheri* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]
- Sagaritis consimilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [host *f j*, N.Y.]
- Sagaritis provancheri* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [host *e i k l n o p r*, N.Y.]
- Olesicampe argentifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]
- Sagaritis dubitatus* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 61-63. [biol., host *n*, parasite *a b*, Fla., Kans., Miss., S.C., Tenn., Tex.]
- Sagaritis provancheri* Poos, Proc. Ent. Soc. Wash., 1928, 30: 146. [host *d*, Va.]
- Sagaritis provancheri* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *p q*]
- Sagaritis consimilis* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *f*]
- Sagaritis dubitatus* Vickery, Tech. Bull. U. S. Dept. Agr., 1929, 138: 36-38. [biol., host *g k m n s*, Tex.]
- Sagaritis consimilis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Sagaritis provancheri* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Sagaritis provancheri* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 73. [host *a*, Ut.]
- Sagaritis dubitatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 151. [biol., host *h u*, Me., Mass.]
- Sagaritis provancheri* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Sagaritis provancheri* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host *a s*, Ut.]
- Sagaritis strigosus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Sagaritis consimilis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Sagaritis provancheri* Martin, Ann. Rpt. N.J. Agr. Exp. Sta., 1939, 60: 50. [host *k*, N.J.]
- Sagaritis provancheri* Stuckey, Ann. Rpt. Ga. Exp. Sta., 1940, 52: 61. [host *j*, Ga.]

YPONOMEUTIDAE: a, *Plutella maculipennis*. OLETHREUTIDAE: b, *Grapholitha molesta*. CRAMBIDAE: c, *Crambus zeellus*. PYRAUSTIDAE: d, *Hymenia fascialis*; e, *Pyrausta nubilalis*. PHALAENIDAE: f, *Agrotis ypsilon*; g, *Autographa* sp.; h, *Ceramica picta*; i, *Dargida procincta*; j, *Feltia* sp.; k, *Heliothis armigera*; l, *Lacinipolia stricta*; m, *Laphygma exigua*; n, *Laphygma frugiperda*; o, *Morrisonia confusa*; p, *Neleucania* sp.; q, *Peridromia margaritosa*; r, *Prodenia ornithogalli*; s, *Prodenia* sp.; t, cutworms. NYMPHALIDAE: u, *Vanessa atalanta*. TENTHREDINIDAE: v, *Metallus rubi*.

Parasites. ICHNEUMONIDAE: a, "*Hemiteles*" sp. CHALCIDIDAE: b, *Catolaccus aeneoviridis*.

Campoletis atkinsoni (Viereck) new combination

Sagaritis atkinsoni Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 38, 129. ♂. [key, des., Rosthern, Sask. (C.N.C.)]

Sagaritis teulonensis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 124, 129. ♂, ♀. [key, des., Saskatoon, Sask. (C.N.C.), Alta., Man.]

New synonymy.

Sagaritis atkinsoni Walley, Canad. Ent., 1927, 59: 228. [key]

Sagaritis teulonensis Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis atkinsoni King and Atkinson, Ann. Ent. Soc. Amer., 1928, 21: 173-174, 185. [biol., host *a*, Sask.]

PHALAENIDAE: *a*, *Euxoa ochrogaster*.

Campoletis atypicus (Viereck) new combination

Sagaritis atypicus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 36. ♀. [des., Aylmer, Que. (C.N.C.)]

Sagaritis atypicus Walley, Canad. Ent., 1927, 59: 228. [key]

Sesioplex canadensis Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 8. ♂, ♀. [o.d., Edmondton, Alta. (U.S.N.M.), Ont., Que.] New synonymy.

Campoletis australis (Viereck) new combination

Limnerium australis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 90. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

Campoletis banksi (Viereck) new combination

Campoplex banksi Viereck, Psyche, 1921, 28: 72. ♀. [o.d., Falls Church, Va. (M.C.Z.)]

Campoplex banksi Viereck, Canad. Ent., 1925, 57: 225. [key]

Campoletis californicus (Holmgren) new combination

Sagaritis californica Holmgren, Eugenes Resa, 1868, insect. p. 418. ♂. [o.d., Calif. (? Stockholm Mus.)]

Sagaritis californicus var. Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

Sagaritis californicus (race) Viereck, Canad. Ent., 1925, 57: 199. [key]

Sagaritis californicus (race) Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis clavatus (Provancher) new combination

Limneria clavata Provancher, Nat. Canad., 1875, 7: 148, 149. ♂ (not ♀). [key, o.d., Que. (M.P.Q.)]

Mesoleptus oxylus Provancher, Nat. Canad., 1875, 7: 270, 272. [key, Que.] Misdetermined.

Limneria clavata Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 371). [key, syn., des.]

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- Limneria clavata* Provancher, Addit. Faune Canada, Hymén., 1886, p. 89. ♀.
[des., Que.]
- Sagaritis conjunctiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Sagaritis xanthotaenius* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 37. ♀. [des., Lancaster, N.Y. (C.N.C.)] New synonymy.
- Sagaritis latus* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 37. ♀. [des., Saskatoon, Sask. (C.N.C.)] New synonymy.
- Sagaritis conjunctiformis* Viereck, Canad. Ent., 1925, 57: 199. [key]
- Sagaritis hexagonalis* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 37. ♂. [des., Jordan, Ont. (C.N.C.)] New synonymy.
- Sagaritis beaulieuvi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 38. ♂. [des., near Montreal, Que. (C.N.C.)] New synonymy.
- Sagaritis basalis* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 128. ♂, ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
- Sagaritis garretti* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 129. ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis xanthotaenius* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis latus* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis conjunctiformis* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis beaulieuvi* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis hexagonalis* Walley, Canad. Ent., 1927, 59: 230. [key]
- Sagaritis basalis* Walley, Canad. Ent., 1927, 59: 231. [key]
- Sagaritis garretti* Walley, Canad. Ent., 1927, 59: 231. [key]
- Sagaritis nigriscapus* var. *rufitrochanteralis* Walley, Canad. Ent., 1927, 59: 232. ♀. [key, o.d., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis clavata* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Campoletis clitellarius (Walley) new combination

- Sagaritis clitellarius* Walley, Canad. Ent., 1927, 59: 232. ♂. [o.d., Oliver, B.C. (C.N.C.)]

Campoletis compactus (Provancher) new combination

- Limneria compacta* Taylor, Canad. Ent., 1884, 16: 91. [B.C.] Nomen nudum.
- Limneria compacta* Provancher, Canad. Ent., 1885, 17: 116. ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]
- Limneria compacta* Taylor, Canad. Ent., 1885, 17: 250. [B.C.]
- Limneria compacta* Provancher, Addit. Faune Canada, Hymén., 1886, p. 98. ♀. [key, des.]
- Limnerium compactum* Dalla Torre, Cat. Hymen., 1901, 3: 92. [syn.]
- Sagaritis compactus* Viereck, Canad. Ent., 1925, 57: 198. [key]; 1926, 58: 129. [syn.]

Sagaritis downsi Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 36 (as *S. downesi* (!)). ♂. [des., Gordon Hd., B.C. (C.N.C.)] New synonymy.

Sagaritis compactus Walley, Canad. Ent., 1927, 59: 228. [key]

Sagaritis downesi (!) Walley, Canad. Ent., 1927, 59: 228. [key]

Campoletis conjunctus (Cresson) new combination

Mesoleptus conjunctus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 262. ♂, ♀. [o.d., Ill. (A.N.S.P.)]

Limneria conjuncta Nason, Ent. News, 1905, 16: 152. [Ill.]

Sagaritis conjunctus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

Sagaritis conjunctus Viereck, Canad. Ent., 1925, 57: 198. [key]; 1926, 58: 129. [syn.]

Sagaritis conjunctus Walley, Canad. Ent., 1927, 59: 228. [key]

Campoletis diversus (Viereck) new combination

Sagaritis diversus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 33. ♀. [des., Waterton, Alta. (C.N.C.)]

Sagaritis diversus Walley, Canad. Ent., 1927, 59: 228. [key]

Campoletis flavicinctus (Ashmead) new combination

Limneria flavicincta Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 436. ♂. [key, o.d., Lafayette, Ind. (U.S.N.M.)]

Limneria flavicincta Webster, Proc. Ind. Acad. Sci., 1892, p. 90. [Ind.]

Limnerium flavicinctum Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limneria flavicincta Nason, Ent. News, 1905, 16: 152. [Ill.]

Limneria flavicincta Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.]

Limnerium (*Campoletis*) *prodeniae* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 190. ♂, ♀. [o.d., host *a*, Mt. Washington, Ohio (U.S.N.M.)] New synonymy.

Sagaritis prodeniae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 634. [syn.]

Sagaritis dubitatus Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn. (in part)]

Sagaritis flavicincta Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

Sagaritis flavicinctus Viereck, Canad. Ent., 1925, 57: 201. [key]

Sagaritis prodeniae Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

Sagaritis flavicincta Viereck, Canad. Ent., 1926, 58: 130. [syn.]

Sagaritis flavicincta Walley, Canad. Ent., 1927, 59: 231. [key]

Sagaritis prodeniae Walley, Canad. Ent., 1927, 59: 231. [key]

PHALAENIDAE: *a*, *Prodenia ornithogalli*.

Campoletis gorhami (Viereck) new combination

Sagaritis gorhami Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 73. ♀. [des., Annapolis, N.S. (C.N.C.)]

Sagaritis gorhami Walley, Canad. Ent., 1927, 59: 229. [key]

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Campoletis heliae (Ashmead) new combination

Limneria heliae Riley and Howard, Insect Life, 1890, 3: 158. [host *a*, Va.]
Nomen nudum.

Limneria heliae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 194. ♂. [key,
o.d., host *a*, Washington, D.C. (U.S.N.M.)]

Limnerium beliae(!) Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]

Sesioplex heliae Viereck, Canad. Ent., 1925, 57: 177. [key]; 1926, 58: 283.
[syn.]

Sagaritis heliae Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 7. [syn.]

Sagaritis heliae Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2:
105. [Mass.]

PHALAEINIDAE: *a*, *Epizeuxis aemula*.

Campoletis hoppingi (Viereck) new combination

Sagaritis hoppingi Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58:
76. ♂. [des., Midday Valley, Merritt, B.C. (C.N.C.)]

Sagaritis hoppingi Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis imperfectus (Viereck) new combination

Sagaritis imperfectus Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926,
58: 127, 129. ♀. [key, des., Sask. (C.N.C.), Ont.]

Sagaritis imperfectus Walley, Canad. Ent., 1927, 59: 229, 230. [key]

Campoletis incompletus (Viereck) new combination

Sagaritis incompletus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926,
58: 71. ♂. [des., Ottawa, Ont. (C.N.C.)]

Sagaritis incompletus Walley, Canad. Ent., 1927, 59: 228. [key]

Campoletis intermedius (Viereck) new combination

Sagaritis intermedius Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926,
58: 34. ♂. [des., Victoria, B.C. (C.N.C.)]

Sagaritis trakas Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58:
126. ♀. [des., Agassiz, B.C. (C.N.C.)] New synonymy.

Sagaritis taylori Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58:
126. ♀. [des., Vancouver Is., B.C. (C.N.C.)] New synonymy.

Sagaritis intermedius Walley, Canad. Ent., 1927, 59: 228. [key]

Sagaritis trakas Walley, Canad. Ent., 1927, 59: 229. [key]

Sagaritis taylori Walley, Canad. Ent., 1927, 59: 231. [key]

Campoletis kingi (Viereck) new combination

Sagaritis kingi Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 77,
129. ♀. [key, des., Saskatoon, Sask. (C.N.C.)]

Sagaritis kingi Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis linearis (Viereck) new combination

Sagaritis linearis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58:

76. ♂. [des., Saskatoon, Sask. (C.N.C.)]

Sagaritis linearis Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis lipomerus (Viereck) new combination

Sagaritis lipomerus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926,

58: 32. ♂, ♀. [des., Saskatoon, Sask. (C.N.C.)]

Sagaritis rufiscapus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926,

58: 75. ♂. [des., Hastings Co., Ont. (C.N.C.)] New synonymy.

Sagaritis lipomerus Walley, Canad. Ent., 1927, 59: 227. [key]

Sagaritis rufiscapus Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis maius (Viereck) new combination

Sagaritis maius Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58:

125, 129. ♂. [key, des., Oliver, B.C. (C.N.C.)]

Sagaritis maius Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis medius (Viereck) new combination

Sagaritis medius Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58:

34. ♀. [des., Sudbury, Ont. (C.N.C.)]

Sagaritis medius Walley, Canad. Ent., 1927, 59: 227. [key]

Campoletis melanocerus (Viereck) new combination

Sagaritis melanocerus Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926,

58: 123. ♂. [des., Grimsby, Ont. (C.N.C.)]

Sagaritis melanocerus Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis melanomerus (Viereck) new combination

Sagaritis melanomerus Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926,

58: 122. ♂. [des., Alp. Gard., Mt. Washington, N.H. (M.C.Z.)]

Sagaritis melanomerus Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis nigriceus (Viereck) new combination

Sagaritis nigriceus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926,

58: 74. ♀. [des., Bilby, Alta. (C.N.C.)]

Sagaritis nigriceus Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis nigripes (Cresson) new combination

Mesoleptus nigripes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 267. ♀. [o.d., Ill. (A.N.S.P.)]

Mesoleptus hostilis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 267. ♂. [o.d., Ill. (A.N.S.P.)] New synonymy.

Limneria hostilis Nason, Ent. News, 1905, 16: 152. [Ill.]

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Campoletis nigriscapus (Viereck) new combination

Sagaritis nigriscapus Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 128. ♂. [des., Saskatoon, Sask. (C.N.C.)]

Sagaritis nigriscapus Walley, Canad. Ent., 1927, 59: 231. [key]

Campoletis oxylus (Cresson) new combination

Mesoleptus oxylus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 262. ♂, ♀. [o.d., Del. (A.N.S.P.), Ill.]

Limneria oxylus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

Limneria occidentalis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 432. ♀. [key, o.d., central Mo. (U.S.N.M.)] New synonymy.

Limneria oxylus Riley and Howard, Insect Life, 1890, 3: 157. [host *b*, Ala.]

Limneria nephelodis Riley and Howard, Insect Life, 1890, 3: 158. [host *e*, Mo.] Nomen nudum.

Limneria oxyus(!) Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Limneria nephelodis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 194. ♂.

[key, o.d., host *e*, St. Louis, Mo. (U.S.N.M.)] New synonymy.

Limnerium nephelodis Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Limnerium occidentale Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

Limnerium oxylus Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

Limneria oxylus Nason, Ent. News, 1905, 16: 152. [Ill.]

Limnerium lawrencei Viereck, Trans. Amer. Ent. Soc., 1906, 32: 178. ♀.

[o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

Limneria lawrencei Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]

Sagaritis ruficoxalis Viereck, Proc. Biol. Soc. Wash., 1916, 29: 170. ♂, ♀.

[o.d. Four-mile Run, Va. (U.S.N.M.)] New synonymy.

Sagaritis oxylus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

Sagaritis nigrisignatus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 71. ♂, ♀. [des., host *a*, Aweme, Man. (C.N.C.), Ont.] New synonymy.

Sagaritis nephelodis Viereck, Canad. Ent., 1925, 57: 199. [key]; 1926, 58: 129. [syn.]

Sagaritis stramineiscapus Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 126. ♀. [des., Jordan, Ont. (C.N.C.)] New synonymy.

Sagaritis occidentalis Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

Sagaritis oxylus Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

Sagaritis lawrencei Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

Sagaritis ruficoxalis Viereck, Canad. Ent., 1925, 57: 201. [key]

Sagaritis oxylus Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Sagaritis ruficoxalis Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

Sagaritis nephelodis Walley, Canad. Ent., 1927, 58: 228. [key]

- Sagaritis nigrisignatus* Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis occidentalis Walley, Canad. Ent., 1927, 59: 230. [key]
Sagaritis stramineiscapus Walley, Canad. Ent., 1927, 59: 230. [key]
Sagaritis oxylus Walley, Canad. Ent., 1927, 59: 231. [key]
Sagaritis lawrencei Walley, Canad. Ent., 1927, 59: 231. [key]
Sagaritis ruficoxalis Walley, Canad. Ent., 1927, 59: 231. [key]
Sagaritis oxylus Lowry, Tech. Bull. N.H. Agr. Exp. Sta., 1927, 34: 22. [biol., host g, N.H.]
Sagaritis oxylus Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 64. [host d, Tenn.]
Sagaritis oxylus Beckwith and Driggers, Ann. Rpt. N.J. Agr. Exp. Sta., 1928, 48: 139. [biol., host i, N.J.]
Sagaritis oxylus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [host b c d, N.Y.]
Sagaritis oxylus Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host h]
Sagaritis oxylus Beckwith, Jour. N.Y. Ent. Soc., 1929, 37: 415. [biol., host c, N.J.]
Sagaritis oxylus Decker, Ia. State Col. Jour. Sci., 1935, 9: 572. [host f g, Ia.]
CRAMBIDAE: a, crambid on *Triticum aestivum* and other grasses. PHALAENIDAE: b, *Cirphis unipuncta*; c, *Epiglaea apiata*; d, *Laphygma frugiperda*; e, *Nephelodes violans*; f, *Oligia fractilinea*; g, *Papaipema nebris*. SYRPHIDAE: h, *Syrphus* sp. Miscellaneous: i, blossom worm on *Vaccinium macrocarpon*.

***Campoletis pacificus* (Walley) new combination**

- Sagaritis ruficrus* var. *pacificus* Walley, Canad. Ent., 1927, 59: 233, 234. ♂. [key, o.d., fig., Victoria, B.C. (C.N.C.)]

***Campoletis parassignatus* (Walley) new combination**

- Sagaritis parassignatus* Walley, Canad. Ent., 1927, 59: 232. ♀. [key, o.d., Indian Head, Sask. (C.N.C.)]

***Campoletis patsuiкетовum* (Viereck) new combination**

- Sagaritis patsuiкетовum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. (♀). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]
Sagaritis unicolor Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 33. ♂, ♀. [des., host b, Saskatoon, Sask. (C.N.C.), B.C.] New synonymy.
Sagaritis lipopus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 35. ♀. [des., Trenton, Ont. (C.N.C.)] New synonymy.
Sagaritis cingulatus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 35. ♂, ♀. [des., Jordan, Ont. (C.N.C.)] New synonymy.
Sagaritis melanosomus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 71. ♀. [des., Beacon Lake, Alta. (C.N.C.)] New synonymy.
Sagaritis patsuiкетовum Viereck, Canad. Ent., 1925, 57: 199. [key]

- Sagaritis cingulatus* Walley, Canad. Ent., 1927, 59: 227. [key]
Sagaritis lipopus Walley, Canad. Ent., 1927, 59: 227. [key]
Sagaritis unicolor Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis patsuiketorum Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis melanosomus Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis patsuiketorum Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]
Sagaritis patsuiketorum Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host a, N.J.]
 OLETHREUTIDAE: a, *Grapholitha molesta*. PYRAUSTIDAE: b, *Loxostege sticticalis*.

Campoletis perdistinctus (Viereck) new combination

- Limnerium perdistinctus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 304. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)]
Amorphota nocturna Viereck, Trans. Kans. Acad. Sci., 1905, 19: 308. ♂. [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.
Limnerium perdistincta Viereck, Trans. Amer. Ent. Soc., 1906, 32: 178. [des., Kans.]
Limneria perdistincta Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo., Kans.]
Sagaritis trochanteralis Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 75. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
Sagaritis twinni Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 72. ♂, ♀. [des., Ottawa, Ont. (C.N.C.), B.C.] New synonymy.
Sagaritis nocturnus Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129. [syn.]
Sagaritis perdistinctus Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129. [syn.]
Sagaritis modestus Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 126. ♂. [des., Grimsby, Ont. (C.N.C.)] New synonymy.
Amorphota nocturna Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 183. [key]
Sagaritis trochanteralis Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis twinni Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis nocturnus Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis perdistinctus Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis modestus Walley, Canad. Ent., 1927, 59: 231. [key]

Campoletis plenus (Provancher) new combination

- Limneria plena* Provancher, Nat. Canad., 1875, 7: 146, 149. ♀. [key, o.d., Que. (M.P.Q.)]
Limneria plena Provancher, Nat. Canad., 1879, 11: 175; (Faune, p. 367). [key, des., fig.]
Limneria plena Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]

Limnerium plenum Dalla Torre, Cat. Hymen., 1901, 3: 102. [syn.]

Limneria plena Nason, Ent. News, 1905, 16: 152. [Ill.]

Sagaritis chrystali Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 77. ♀. [des., Cowly, Alta. (C.N.C.)] New synonymy.

Sagaritis chrystali Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis rufosignatus (Viereck) new combination

Sagaritis rufosignatus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 34. ♂. [des., Jordan, Ont. (C.N.C.)]

Sagaritis rufosignatus Walley, Canad. Ent., 1927, 59: 227. [key]

Campoletis septentrionalis (Viereck) new combination

Sagaritis septentrionalis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 76. ♀. [des., Nordegg, Alta. (C.N.C.)]

Sagaritis aequalis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 122. ♂, ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.

Sagaritis laevis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 124, 129. ♂, ♀. [des., Oliver, B.C. (C.N.C.), Alta.] New synonymy.

Sagaritis ruficrus Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 127. ♂. [des., Waterton, Alta. (C.N.C.)] New synonymy.

Sagaritis septentrionalis Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis aequalis Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis laevis Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis ruficrus Walley, Canad. Ent., 1927, 59: 231. [key]

Sagaritis approximalis Walley, Canad. Ent., 1927, 59: 231. ♂. [key, o.d., Oliver, B.C. (C.N.C.)] New synonymy.

Sagaritis vierecki Walley, Canad. Ent., 1927, 59: 233. ♂, ♀. [key, o.d., fig., Oliver, B.C. (C.N.C.)] New synonymy.

Campoletis signatus (Viereck) new combination

Sagaritis signatus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 72. ♀. [des., Oliver, B.C. (C.N.C.)]

Sagaritis signatus Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis striatipes (Ashmead) new combination

Limneria striatipes Ashmead, Psyche, 1901, 9: 148. ♂, ♀. [o.d., Las Vegas Range between Pecos and Sapello Rivers, 11000 Ft., N.M. (U.S.N.M.)]

Sagaritis striatipes Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129. [syn.]

Sagaritis striatipes Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis taeniolatus (Viereck) new combination

Limnerium taeniolata Viereck, Trans. Amer. Ent. Soc., 1903, 29: 91. ♂. [o.d., Beulah, N.M. (A.N.S.P.)]

Campoletis tibialis (Viereck) new combination

- Sagaritis tibialis* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 77. ♀. [des., Okanagan Valley, B.C. (C.N.C.)]
Sagaritis tibialis Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis tibiator (Cresson)

- Mesoleptus tibiator* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 259. ♂. [o.d., N.J. (A.N.S.P.), Ill.]
Mesoleptus tibiator Provancher, Nat. Canad., 1875, 7: 270, 272. [key, Que.]
Limneria distincta Provancher, Nat. Canad., 1882, 3: 365; (Faune, p. 787). ♀. [o.d., Que. (M.P.Q.)] New synonymy.
Limneria distincta Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]
Limneria tibiator Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]
Limneria tibiator Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
Limneria tibiator Riley and Howard, Insect Life, 1890, 3: 157. [host *a b c*, Calif., D.C., Fla., Ia., Mo., Tex., Va.]
Limneria tibiator Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
Limneria tibiator Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 42. [Ohio]
Limnerium tibiator Dalla Torre, Cat. Hymen., 1901, 3: 105. [syn.]
Limnerium distinctum Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]
Limneria tibiator Nason, Ent. News, 1905, 16: 168. [Ill.]
Ischnoscopus taeniatus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 305. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.
Campoletis tibiator Houghton, Rpt. Del. Agr. Exp. Sta., 1907, rpts. 16, 17, 18: 89. [host *a*, Del.]
Limneria tibiator Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.]
Limnerium tibiator Chittenden and Marsh, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 109: 31. [biol.]
Sagaritis taeniatus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]
Sagaritis taeniatus Viereck, Canad. Ent., 1925, 57: 198. [key]; 1926, 58: 129. [syn.]
Sagaritis apicalis Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 36. ♂. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
Angitia tibiator Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
Sagaritis taeniatus Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis apicalis Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis tibiator Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

YPONOMEUTIDAE: *a*, *Plutella maculipennis*. Phycitidae: *b*, *Mineola indigenella*.
 PHALAEINIDAE: *c*, *Autographa brassicae*.

Campoletis websteri (Viereck) new combination

Limnerium (*Angitia*) *websteri* Viereck, Proc. U. S. Nat. Mus., 1910, 38: 382.

♀. [o.d., fig., host *b*, Pullman, Wash. (U.S.N.M.)]

Sagaritis websteri Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

Sagaritis websteri Hyslop, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 95: 115.

[fig., biol., host *b*, Wash.]

Sagaritis websteri Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

Sagaritis websteri Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129.

[key, syn.]

Sagaritis julius Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58:

125. ♂. [des., host *a*, Waterton Lakes, Alta. (C.N.C.)] New synonymy.

Sagaritis websteri Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis julius Walley, Canad. Ent., 1927, 59: 230. [key]

GLYPHPTERYGIDAE: *a*, *Choreutis balsamorhizella*. PHALAENIDAE: *b*, *Autographa californica*.

Campoletis yakutatensis (Ashmead) new combination

Ischnoscopus yakutatensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 236. ♂,

♀. [o.d., Yakutat, Alaska (U.S.N.M.)] New synonymy.

Limnerium yakutatense Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 237. ♂, ♀.

[o.d., Yakutat, Alaska (U.S.N.M.)]

Sagaritis yakutatensis Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58:

130. [syn.]

Sagaritis yakutatensis Walley, Canad. Ent., 1927, 59: 231. [key]

ECPHOROPSIS Ashmead

Ecphora Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Preoccupied by Conrad, 1843.

Genotype: *Campoplex viennensis* Gravenhorst

Ecphoropsis Ashmead, Canad. Ent., 1900, 32: 368. New name for *Ecphora*

Foerster.

Ecphoropsis longiceps Roman

Ecphoropsis longiceps Roman, Mém. Pétersbourg Acad., 1914 (or 1926?), 29, no.

7:13. ♂. [o.d., fig., West-Taimyr, Walter-Bal, North-Siberia (Leningrad Mus.)]

Ecphoropsis longiceps Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11.

♀. [des., Greenland]

SPUDASTICA * Foerster

Spudastica Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 155.

Genotype: (*Spudastica petiolaris* Thomson) = *kriechbaumeri* Bridgman.

* There is an undescribed Nearctic species of this genus in the U. S. National Museum.

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CAMPOPLEGIDEA Viereck

Campoplex of authors, not of the genotype.

Anisitsia Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. Preoccupied by Eigenmann, 1903.

Genotype: *Campoplex villosus* Norton.

Campoplegidea Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633.

Genotype: *Campoplex oxyacanthae* Boie.

Pseudocasinarina Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644.

Genotype: *Casinarina americana* Ashmead.

Viereckiana Strand, Arch. Naturg., 1914, 80 A: 163. New name for *Anisitsia* Viereck.

Idiosomidea Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 271.

Genotype: (*Campoplex photomorphus* Viereck) = *bellulus* Dalla Torre.

Campoplegidea alia (Norton)

Campoplex alius Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♀. [o.d., Mass. (type lost)]

Campoplex alius Provancher, Nat. Canad., 1876, 8: 317. [Que.]

Campoplex alius Provancher, Nat. Canad., 1879, 11: 150; (Faune p. 364). [key, des.]

Campoplex alius Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Campoplex alius Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplegidea alia Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Campoplegidea alia Walley, Sci. Agr., 1940, 20: 734. ["unrecognizable"]

Campoplegidea americana (Ashmead)

Casinarina americana Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 22. ♀. [o.d., West Cliff, Colo. (U.S.N.M.)]

Pseudocasinarina americana Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

Campoplegidea (*Viereckiana*) *erythromera* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 177. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Pseudocasinarina americana Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

Campoplegidea americana Walley, Sci. Agr., 1940, 20: 701. ♂, ♀. [key, syn., des., Ala., B.C., Colo., D.C., Md., Mass., Mich., N.J., N.Y., Ohio, Ont., Pa., Tex., Va.]

Campoplegidea argentea (Norton)

Campoplex argenteus Norton, Proc. Ent. Soc. Phila., 1863, 1: 365. ♀. [o.d., Conn., N.Y. (Yale Univ.)]

Campoplex argenteus Provancher, Nat. Canad., 1874, 6: 145. [key, Que.]

Campoplex argenteus Provancher, Addit. Faune Canada, Hymén., 1886, p. 83.

♀. [des., Ont.]

Campoplex argenteus Nason, Ent. News, 1905, 16: 152. [Ill.]

Casinaria argentea Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 273.

♀. [des.]

Campoplegidea citriscapa Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 264. ♂, ♀. [key, o.d., Okanagan, B.C. (C.N.C.)]

Campoplegidea argentea Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Campoplegidea argentea Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Campoplegidea argentea Walley, Sci. Agr., 1940, 20: 664, 674. ♂, ♀. [key, syn., des., fig., B.C., Ill., Mass., Mich., N.J., N.Y., Ont., Pa., Que., Va.]

***Campoplegidea arizonensis* Walley**

Campoplegidea arizonensis Walley, Sci. Agr., 1940, 20: 664, 709. ♂, ♀. [key, o.d., fig., Sabino Canyon, Ariz. (U.S.N.M.)]

***Campoplegidea assita* (Norton)**

Campoplex assitus Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♀. [o.d., Farmington, Conn. (Yale Univ.)]

Campoplex assitus Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, Calif., Vt.]

Casinaria assita Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272. ♀. [des.]

Campoplegidea (Viereckiana) curvata Viereck, Trans. Roy. Soc. Canada., 1926, 20, sect. 5: 179. ♀. [key, o.d., Sudbury, Ont. (C.N.C.)]

Campoplegidea (Viereckiana) citripes Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 179. ♂. [key, o.d., Lanoraie, Que. (C.N.C.)]

Viereckiana assita Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Campoplegidea assita Walley, Sci. Agr., 1940, 20: 666, 679. ♂, ♀. [key, syn., des., fig., Conn., Mich., N.J., N.S., Ont., Que.]

PHALAEINIDAE: *a*, ?phalaenid.

***Campoplegidea associata* Walley**

Campoplegidea associata Walley, Sci. Agr., 1940, 20: 673. ♂, ♀. [key, o.d., Texarkana, Ark. (U.S.N.M.), La.]

***Campoplegidea australis* Walley**

Campoplegidea australis Walley, Sci. Agr., 1940, 20: 715. ♂, ♀. [key, o.d., Blacksburg, S.C. (U.S.N.M.), Ont.]

***Campoplegidea bellulus* (Dalla Torre)**

Campoplex bellus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♀ (not ♂). [o.d., Bosque Co., Tex. (A.N.S.P.)] Preoccupied by Cresson, 1865.

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- Campoplex bellulus* Dalla Torre, Cat. Hymen., 1901, 3: 138. New name for *Campoplex bellus* Cresson, 1872.
- Campoplex photomorphus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 309. ♀. [o.d., Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]
- Anisitsia bellulus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]
- Idiosomidea photomorpha* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 272. [syn.]
- Idiosomidea secunda* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 272. ♂. [o.d., Bilby, Alta. (C.N.C.)]
- Campoplegidea (Viereckiana) photomorpha* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]
- Viereckiana bellulus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Viereckiana bellulus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
- Campoplegidea bellula* Walley, Sci. Agr., 1940, 20: 666, 668, 711. ♂, ♀. [key, syn., des., fig., Alta., Colo., Ia., Kans., N.B., N.S., Ont., Que., S.D., Tex.]

***Campoplegidea brachiator* (Say)**

- Ophion brachiator* Say, Boston Jour. Nat. Hist., 1836, 1: 240; (Leconte Ed. 2: 695). [o.d., Ind. (M.C.Z.)]
- Campoplex xanthogaster* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 159. ♀. [o.d., N. Amer. (Paris Mus.)]
- Campoplex xanthogaster* Norton, Proc. Ent. Soc. Phila., 1863, 1: 366. ♀. [des.]
- Ophion brachiator* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 159. [syn., des.]
- Viereckiana brachiator* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 168. [syn.]
- Viereckiana brachiator* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Viereckiana brachiator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Viereckiana brachiator* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Campoplegidea brachiator* Walley, Sci. Agr., 1940, 20: 727. ♂, ♀. [key, des., Ala., Ga., Mass., Que., Va.]

***Campoplegidea canadensis* Walley**

- Campoplegidea canadensis* Walley, Sci. Agr., 1940, 20: 664, 665, 668. ♂, ♀. [key, o.d., fig., Macdiarmid, Lake Nipigon, Ont. (C.N.C.), Alta., B.C.]

***Campoplegidea ceanothi* (Viereck) new combination**

- Casinaria (Pseudocasinaria) ceanothi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 270. ♂. [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)]
- Pseudocasinaria ceanothi* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

Campoplegidea confluens Walley

Campoplegidea confluens Walley, Sci. Agr., 1940, 20: 673. ♂, ♀. [key, o.d., Knowlton, Que. (C.N.C.), Ont., Wis.]

Campoplegidea conformis Walley

Campoplegidea conformis Walley, Sci. Agr., 1940, 20: 726. ♀. [key, o.d., Palmerlee, Ariz. (M.C.Z.)]

Campoplegidea crassicornis (Provancher)

Limneria crassicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 88.

♂. [key, o.d., Cap Rouge, Que. (C.N.C.)]

Campoplex crassicornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Limnerium crassicorne Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

Campoplegidea crassata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 267.

♂. [key, o.d., Montreal, Que. (C.N.C.)]

Campoplegidea (Viereckiana) crassicornis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

Campoplegidea (Viereckiana) mimeticus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 175. ♂, ♀. [key, o.d., near Ottawa, Ont. (C.N.C.), Que.]

Campoplegidea (Viereckiana) sessilis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 179. ♂. [key, o.d., Montreal, Que. (C.N.C.)]

Campoplegidea (Viereckiana) flavicoxa Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 180. ♂. [key, o.d., Montreal, Que. (C.N.C.)]

Campoplegidea crassata Viereck, Bull. N.Y. State Mus., 1928, 274: 183. [N.Y.]

Campoplegidea crassicornis Walley, Sci. Agr., 1940, 20: 691. ♂, ♀. [key, syn., des., Alta., N.B., N.Y., Ohio, Ont., Que., Wis.]

Campoplegidea deceptor Walley

Campoplegidea deceptor Walley, Sci. Agr., 1940, 20: 714. ♂, ♀. [key, o.d., Inglenook, Dauphin Co., Pa. (U.S.N.M.), D.C., Ind., N.Y., Ont., Sask., Va.]

Campoplegidea diversa (Norton)

Campoplex diversus Norton, Proc. Ent. Soc. Phila., 1863, 1: 366. ♂, ♀. [o.d., Conn., Mass. (Yale Univ.)]

Campoplex diversus Provancher, Nat. Canad., 1874, 6: 145. [key, Que.]

Campoplex diversus Provancher, Nat. Canad., 1879, 11: 148; (Faune, p. 363). [key, des., fig.]

Campoplex diversus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Campoplex diversus Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, Mass., N.H.]

Campoplex diversus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.Y.]

Casinaria diversa Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272. ♂, ♀. [des.]

Campoplegidea diversa Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]
Campoplegidea (Viereckiana) diversa Viereck, Canad. Ent., 1926, 58: 279.
 [syn.]

Campoplegidea (Viereckiana) diversa Viereck, Trans. Roy. Soc. Canada, 1926,
 20, sect. 5: 173. [key]

Campoplegidea diversa Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 955. [N.Y.]

Campoplegidea diversus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,
 1934, 188: 148. [biol., host *b*, Mass., N.J.]

Campoplegidea diversa Walley, Sci. Agr., 1940, 20: 664, 666, 668, 669. ♂, ♀.
 [key, syn., des., fig., Alta., B.C., Man., N.B., N.J., Ont., Que., Sask.]
 In part.

GEOMETRIDAE: a, *Lygris diversilineata*. PHALAENIDAE: b, *Graptolitha* sp.

***Campoplegidea diversella* Walley**

Campoplegidea diversella Walley, Sci. Agr., 1940, 20: 671. ♂, ♀. [key, o.d.,
 Tex. (U.S.N.M.), ?N.Y., Que.]

***Campoplegidea diversicolor* Viereck**

Campoplegidea diversicolor Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5:
 265. ♀. [key, o.d., Sudbury, Ont. (C.N.C.)]

Campoplegidea diversicolor Walley, Sci. Agr., 1940, 20: 664, 666, 694. ♀. [key,
 des., fig., Ont., Que.]

***Campoplegidea downesi* Viereck**

Campoplegidea downesi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 265.
 ♂, ♀. [key, o.d., Victoria, B.C. (C.N.C.)]

Campoplegidea planatella Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5:
 267. ♂. [key, o.d., Waterton, Alta. (C.N.C.)] New synonymy.

Campoplegidea vadosa Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 269.
 ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Campoplegidea downesi Walley, Sci. Agr., 1940, 20: 672. ♂, ♀. [key, syn.,
 des., Alta., B.C., Calif., Ont.]

Campoplegidea planatella Walley, Sci. Agr., 1940, 20: 673. ♂. [key, des.]

***Campoplegidea egregia* (Viereck)**

Viereckiana egregia Viereck, Proc. Biol. Soc. Wash., 1916, 29: 167. ♂, ♀.
 [o.d., Great Falls, Va. (M.C.Z.), Md., N.C.]

Campoplegidea egregia Walley, Sci. Agr., 1940, 20: 719. ♂, ♀. [key, des.,
 D.C., Md., Ohio, Pa., Tex., Va.]

***Campoplegidea ellopiae* Walley**

Campoplegidea (Viereckiana) ellopiae Walley, Canad. Ent., 1929, 61: 22. ♂,
 ♀. [o.d., host *a*, Footes Bay, Ont. (C.N.C.)]

Campoplegidea (Viereckiana) ellopiae Schedl, Ztschr. Angew. Ent., 1931, 18: 258-260. [fig., biol., host *a*, parasite *a*]

Campoplegidea ellopiae Gryse and Schedl, Sci. Agr., 1934, 14: 535. [host *a*, Ont.]

Campoplegidea ellopiae Walley, Sci. Agr., 1940, 20: 666, 730. [key, des., fig.]

Campoplegidea ellopiae Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 12. [host *a*, Canada]

Campoplegidea ellopiae Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

GEOMETRIDAE: *a*, *Lambdina fiscellaria fiscellaria*.

Parasite. ICHNEUMONIDAE: *a*, *Itoplectis conquisitor*.

***Campoplegidea experta* (Cresson)**

Campoplex expertus Cresson, Trans. Amer. Ent. Soc., 1872, 6: 171. ♀ (not ♂). [o.d., Bosque Co., Tex. (A.N.S.P.)]

Campoplex expertus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 309. [Kans.]

Campoplex expertus Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex expertus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 217. [Tex.]

Campoplex expertus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Campoplegidea experta Walley, Sci. Agr., 1940, 20: 704. ♂, ♀. [key, des., Ind., Ia., Kans., Okla., Tex., Va.]

Campoplegidea experta Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

***Campoplegidea flavescens* Walley**

Campoplegidea flavescens Walley, Sci. Agr., 1940, 20: 710. ♀. [key, o.d., Ariz. (U.S.N.M.)]

***Campoplegidea fossata* (Viereck)**

Campoctonus fossatus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. ♂. [o.d., Aweme, Man. (C.N.C.)]

Campoplegidea fossata Walley, Sci. Agr., 1940, 20: 699. ♂, ♀. [key, des., Alta., Man., Ont., Que.]

***Campoplegidea fuscitarsis* Viereck**

Campoplegidea (Viereckiana) fuscitarse Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 175. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Campoplegidea fuscitarsis Walley, Sci. Agr., 1940, 20: 666, 729. ♂, ♀. [key, des., fig., Mass., N.Y., Ont., Que., Vt.]

***Campoplegidea glauca glauca* (Norton)**

Campoplex glaucus Norton, Proc. Ent. Soc. Phila., 1863, 1: 366. ♀. [o.d., Farmington, Conn. (Yale Univ.)]

Campoplex dissitus Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♀. [o.d., "Lake Saskatchewan," probably near where Saskatchewan River flows into Lake Winnipeg (Harvard Univ.)] New synonymy.

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- Campoplex glaucus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
Casinaria glauca Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272.
 ♀. [des.]
Campoplegidea rossi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 268.
 ♂. [key, o.d., Jordan, Ont. (C.N.C.)]
Campoplegidea rossi Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 186.
 [correction to type number]
Viereckiana dissata(!) Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416.
 [Me.]
Campoplegidea glauca Walley, Sci. Agr., 1940, 20: 692. ♂, ♀. [key, syn.,
 des., Kans., Me., Md., N.H., Ont., Que.]
Campoplegidea dissita Walley, Sci. Agr., 1940, 20: 734. ♀. [des.]

***Campoplegidea glauca caliginosa* Walley, new combination**

- Campoplegidea caliginosa* Walley, Sci. Agr., 1940, 20: 693. ♀. [key, o.d.,
 Steelhead, B.C. (C.N.C.), Alta., Ore.]

***Campoplegidea gracilis* Walley**

- Campoplegidea gracilis* Walley, Sci. Agr., 1940, 20: 701. ♀. [key, o.d., N.
 Bloomfield, Pa. (U.S.N.M.), Man., N.Y., Ohio, Ont.]

***Campoplegidea grahami* Walley**

- Campoplegidea grahami* Walley, Sci. Agr., 1940, 20: 698. ♀. [key, o.d.,
 Aspen Grove, B.C. (C.N.C.), Colo.]

***Campoplegidea insolita* Walley**

- Campoplegidea insolita* Walley, Sci. Agr., 1940, 20: 681. ♀. [key, o.d.,
 Lacolle, Que. (C.N.C.), Man., Ont.]

***Campoplegidea interstitialis* Walley**

- Campoplegidea interstitialis* Walley, Sci. Agr., 1940, 20: 664, 703. ♀. [key,
 o.d., fig., St. Agathe des Monts, Que. (C.N.C.)]

***Campoplegidea johnsoni* Walley**

- Campoplegidea johnsoni* Walley, Sci. Agr., 1940, 20: 729. ♀. [key, o.d.,
 Nantucket, Mass. (U.S.N.M.), N.J.]

***Campoplegidea laminata* Walley**

- Campoplegidea laminata* Walley, Sci. Agr., 1940, 20: 680. ♂, ♀. [key, o.d.,
 Hull, Que. (C.N.C.), Conn., Mass., Mich., N.H., N.Y., Ont., Pa.,
 Tex.]

Campoplegidea lapponica kukakensis (Ashmead) new combination

(*Campoplex lapponica* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2, pt. 2: 37. ♂, ♀. [o.d., Lappland, Sweden (? Stockholm Mus.)])

Zachresta kukakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 235. ♂. [o.d., Kukak Bay, Alaska (U.S.N.M.)]

Anisitsia kukakensis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]

Campoplegidea (*Viereckiana*) *kukakensis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Campoplegidea kukakensis Walley, Sci. Agr., 1940, 20: 662. ♂. [key, des.]

Campoplegidea caudata Walley, Sci. Agr., 1940, 20: 668, 686. ♂, ♀. [key, o.d., fig., host *a*, St. Agathe des Monts, Que. (C.N.C.), Alaska, Alta., N.H., Ont.] New synonymy.

GEOMETRIDAE: *a*, *Eulype hastata gothicata*.

Campoplegidea laticincta (Cresson)

Campoplex laticinctus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 283. ♀. [o.d., Colo. (A.N.S.P.)]

Campoplex nigripes Provancher, Nat. Canad., 1874, 6: 145. ♀. [key, o.d., Que. (type lost)]

Campoplex laticinctus Provancher, Nat. Canad., 1879, 11: 148; (Faune, p. 362). [key, syn., des., fig.]

Campoplex laticinctus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Campoplex laticinctus Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

Campoplex laticinctus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 234. [Alaska, Canada, Colo., Kans., Me., N.H., N.Y.]

Campoplex laticinctus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Campoplegidea brooksi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 264. ♂, ♀. [key, o.d., Transcona, Man. (C.N.C.), Alta.]

Campoplegidea laticincta Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont., Que., Sask.]

Campoplegidea (*Viereckiana*) *laticincta* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

Viereckiana laticincta Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

Campoplegidea laticincta Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Campoplegidea laticincta Walley, Sci. Agr., 1940, 20: 664, 684. ♂, ♀. [key, syn., des., fig., host *a*, Alta., Calif., Colo., Man., Minn., Mont., N.J., N.Y., Ohio, Ont., Ore., Pa., Que., Sask., Vt.]

PHALAENIDAE: *a*, *Heliothis* sp.

Campoplegidea lobata Walley

Campoplegidea lobata Walley, Sci. Agr., 1940, 20: 668, 713. ♂, ♀. [key, o.d., fig., host *a*, Brome, Que. (C.N.C.) ? B.C., Man., Ont., Va.]

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Campoplegidea lobata Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10.
[host a, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*.

***Campoplegidea luctuosa* (Provancher)**

Campoplex luctuosus Provancher, Nat. Canad., 1875, 7: 145. ♀. [o.d., Que. (M.P.Q.)]

Campoplex luctuosus Provancher, Nat. Canad., 1879, 11: 147; (Faune, p. 362).
[key, des.]

Anisitsia nigerrima Viereck, Proc. U. S. Nat. Mus., 1912, 43: 583. ♀. [o.d., Priest Lake, Ida. (U.S.N.M.)] New synonymy.

Campoplegidea (Viereckiana) luctuosa Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Campoplegidea (Viereckiana) nigerrima Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Campoplegidea nigerrima Walley, Sci. Agr., 1940, 20: 666, 721. ♀. [key, des., fig., B.C., Calif., Ida.]

Campoplegidea luctuosa Walley, Sci. Agr., 1940, 20: 722. ♀. [key, des.]

Campoplegidea luctuosa Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 9.
[host a, Canada]

GEOMETRIDAE: a, *Hydriomena divisaria*.

***Campoplegidea magnifica* Walley**

Campoplegidea magnifica Walley, Sci. Agr., 1940, 20: 727. ♂, ♀. [key, o.d., Onteora Mt., Greene Co., N.Y. (U.S.N.M.), Ala.]

***Campoplegidea major* (Cresson)**

Campoplex major Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 369. ♀.
[o.d., Vancouver Is., B.C. (A.N.S.P.)]

Campoplegidea (Viereckiana) totalis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. ♀. [key, o.d., Aylmer, Que. (C.N.C.)]

Campoplegidea major Walley, Sci. Agr., 1940, 20: 668, 726. ♂, ♀. [key, syn., des., fig., B.C., Mass., N.M., Que.]

***Campoplegidea minor* (Provancher)**

Campoplex minor Provancher, Nat. Canad., 1879, 11: 150; (Faune, p. 364). ♀.
[key, o.d., Que. (M.P.Q.)]

Campoplegidea minor Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 262.
[key]

Campoplegidea (Viereckiana) minor Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

Pseudocasinaria decorata Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 183. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

Amorphota pacifica Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 184.

♂. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

Campoplegidea minor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Campoplegidea minor Walley, Sci. Agr., 1940, 20: 666, 688. ♂, ♀. [key, syn., des., fig., Alta., B.C., Md., Ont., Que., Va.]

Campoplegidea pacifica Walley, Sci. Agr., 1940, 20: 689. ♂, ♀. [key, des., Alaska, B.C., Colo., Mont.]

Campoplegidea mitis Walley, Sci. Agr., 1940, 20: 689. ♀. [key, o.d., Wright, Que. (C.N.C.), Pa.] New synonymy.

Campoplegidea maritima Walley, Sci. Agr., 1940, 20: 689. ♀. [key, o.d., White Pt. Beach, Queens Co., N.S. (C.N.C.), Que.] New synonymy.

***Campoplegidea montrealensis* Viereck**

Campoplegidea (Viereckiana) montrealensis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 181. ♂. [key, o.d., Montreal, Que. (C.N.C.)]

Campoplegidea montrealensis Walley, Sci. Agr., 1940, 20: 666, 678. ♂, ♀. [key, syn., des., fig., Conn., Me., Man., N.H., N.S., N.Y., Ont., Que., Vt.]

Campoplegidea montrealensis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

***Campoplegidea nigr tibialis* Viereck**

Campoplegidea (Viereckiana) nigr tibialis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 178. ♀. [key, o.d., Victoria, B.C. (C.N.C.)]

Campoplegidea nigr tibialis Walley, Sci. Agr., 1940, 20: 679. ♀. [key, des., B.C., Calif., Wash.]

***Campoplegidea nitida* Walley**

Campoplegidea nitida Walley, Sci. Agr., 1940, 20: 713. ♂, ♀. [key, o.d., Meadow Valley (4000–5000 ft.), Plumas Co., Calif. (U.S.N.M.)]

***Campoplegidea obesa* (Davis) new combination**

Zachrasta (!) *obesa* Davis, Trans. Amer. Ent. Soc., 1898, 24: 361. ♀. [o.d., Mich. (A.N.S.P.)]

***Campoplegidea ocellata* Walley**

Campoplegidea ocellata Walley, Sci. Agr., 1940, 20: 718. ♀. [key, o.d., Victoria, Tex. (U.S.N.M.)]

***Campoplegidea occidentalis* (Davis)**

Campoplex occidentalis Davis, Trans. Amer. Ent. Soc., 1898, 14: 361. ♂, ♀. [o.d., Seattle, Wash. (A.N.S.P.)]

Campoplegidea occidentalis Walley, Sci. Agr., 1940, 20: 698. ♀. [key, des., B.C.]

Campoplegidea pallescens Walley

Campoplegidea pallescens Walley, Sci. Agr., 1940, 20: 722. ♀. [key, o.d., Ga. (U.S.N.M.)]

Campoplegidea pectoralis Walley

Campoplegidea pectoralis Walley, Sci. Agr., 1940, 20: 668, 686. ♀. [key, o.d., fig., Lac Mercier, Que. (C.N.C.), Alta., Ont., Sask.]

Campoplegidea pilosa Walley

Campoplegidea pilosa Walley, Sci. Agr., 1940, 20: 733. ♂, ♀. [key, o.d., Cultus Lake, B.C. (C.N.C.), Calif., Colo., Ore.]

Campoplegidea planata Viereck

Campoplegidea planata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 267. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Campoplegidea planata Walley, Sci. Agr., 1940, 20: 675. ♂, ♀. [key, Ill., Md., N.Y., Ont., Que.]

Campoplegidea pulchella Walley

Campoplegidea pulchella Walley, Sci. Agr., 1940, 20: 717. ♂, ♀. [key, o.d., Argus Mts., Calif. (U.S.N.M.), Ariz., Ut.]

Campoplegidea quebecensis Walley

Campoplegidea quebecensis Walley, Sci. Agr., 1940, 20: 666, 731. ♀. [key, o.d., fig., host a, Knowlton, Que. (C.N.C.), Mass.]

PHALAENIDAE: a, *Bapta semiclarata*.

Campoplegidea relecta (Davis) new combination

Campoplex relectum Davis, Trans. Amer. Ent. Soc., 1898, 24: 361. ♀. [o.d., Franconia, N.H. (A.N.S.P.)]

Campoplegidea egregiata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 266. ♀. [key, o.d., Sidney, B.C. (C.N.C.)] New synonymy.

Campoplegidea egregiata Walley, Sci. Agr., 1940, 20: 677. ♀. [key]

Campoplegidea vicina Walley, Sci. Agr., 1940, 60: 695. [syn. (in part)]

Campoplegidea robusta Walley

Campoplegidea robusta Walley, Sci. Agr., 1940, 20: 725. ♂, ♀. [key, o.d., Hocking Co., Ohio (U.S.N.M.), N.J., Pa.]

Campoplegidea rotunda Walley

Campoplegidea rotunda Walley, Sci. Agr., 1940, 20: 697. ♀. [key, o.d., Baddeck, N.S. (C.N.C.)]

Campoplegidea rufescens Walley

Campoplegidea rufescens Walley, Sci. Agr., 1940, 20: 668, 720. ♂, ♀. [key, o.d., fig., Cabin John, Md. (U.S.N.M.), D.C., Ia., Kans., N.J., Pa., Va., W.Va.]

Campoplegidea rufigaster Walley

Campoplegidea rufigaster Walley, Sci. Agr., 1940, 20: 705. ♀. [key, o.d., Hampton, N.H. (U.S.N.M.), Md., Pa.]

Campoplegidea scalaria (Provancher)

Campoplex scalaris Provancher, Addit. Faune Canada, Hymén., 1886, p. 84. ♀, (♂ misdetermined). [o.d., Cap Rouge, Que. (M.P.Q.)]

Campoplex scalaris Nason, Ent. News, 1905, 16: 152. [Ill.]

Pseudocasinaria scalaris Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

Campoplegidea scalaris (!) Walley, Sci. Agr., 1940, 20: 707. ♂, ♀. [key, des., Alta., Que.]

Campoplegidea seamansi Viereck

Campoplegidea edmontensis Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 266. ♂. [key, o.d., Edmonton, Alta. (C.N.C.)]

Campoplegidea seamansi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 268. ♀. [key, o.d., Waterton, Alta. (C.N.C.)]

Amorphota bicoloripes Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 184. ♀. [key, o.d., host *a*, Aweme, Man. (C.N.C.)] New synonymy.

Campoplegidea seamansi Walley, Sci. Agr., 1940, 20: 666, 696. ♂, ♀. [key, syn., des., fig., Alta., B.C., Colo.]

Campoplegidea bicoloripes Walley, Sci. Agr., 1940, 20: 697. ♀. [key, des.]

TORTRICIDAE: *a*, *Archips conflictana*.

Campoplegidea semirufa (Provancher)

Campoplex semirufus Provancher, Nat. Canad., 1882, 13: 364; (Faune, p. 786). ♀. [o.d., Chicoutimi, Que. (C.N.C.)]

Campoplex semirufus Provancher, Addit. Faune Canada, Hymén., 1886, p. 84. ♂. [des., Ont.]

Campoplex semirufus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

Campoplegidea okanaganensis Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 270. ♀. [key, o.d., Okanagan, B.C. (C.N.C.), Man.]

Campoplegidea (*Viereckiana*) *semirufa* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

Campoplegidea semirufa Walley, Sci. Agr., 1940, 20: 664, 675. ♀. [key, syn., des., fig., host *a*, B.C., Colo., N.Y., Que., Vt.]

NOTODONTIDAE: *a*, *Pheosia rimosa*.

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Campoplegidea signata Viereck

Campoplegidea signata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 262. ♂, ♀. [key, o.d., Sudbury, Ont. (C.N.C.), Man.]

Campoplegidea signata Walley, Sci. Agr., 1940, 20: 667. ♂, ♀. [key, des., host a, B.C.?, Man., N.B., Que., Ont., Sask.]

Campoplegidea signata Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

PHALAENIDAE: a, phalaenid.

Campoplegidea simulans Walley

Campoplegidea simulans Walley, Sci. Agr., 1940, 20: 708. ♀. [key, o.d., Rutherford, N.J. (U.S.N.M.)]

Campoplegidea stricklandi Viereck

Campoplegidea stricklandi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 269. ♂. [key, o.d., Waterton, Alta. (C.N.C.)]

Campoplegidea stricklandi Walley, Sci. Agr., 1940, 20: 677. ♂. [key, des.]

Campoplegidea subtilis Viereck

Campoplegidea (Viereckiana) subtilis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 176. ♀. [key, o.d., Banff, Alta. (C.N.C.)]

Campoplegidea subtilis Walley, Sci. Agr., 1940, 20: 690. ♀. [key, des.]

Campoplegidea texana (Ashmead) new combination

Casinaria texana Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 427. ♀. [o.d., Tex. (U.S.N.M.)]

Campoplegidea texana Walley, Sci. Agr., 1940, 20: 706. ♂, ♀. [key, syn., des., Guatemala, Kans., Tex. (synonymy erroneous)]

Campoplegidea townsendi Walley

Campoplegidea townsendi Walley, Sci. Agr., 1940, 20: 703. ♂, ♀. [key, o.d., South Fork, Eagle Cr., White Mts., N.M. (U.S.N.M.)]

Campoplegidea tumida Walley

Campoplegidea tumida Walley, Sci. Agr., 1940, 20: 664, 666, 716. ♀. [key, o.d., fig., Corvallis, Ore. (U.S.N.M.)]

Campoplegidea turmalis Walley

Campoplegidea turmalis Walley, Sci. Agr., 1940, 20: 711. ♀. [key, o.d., Devils River, Tex. (U.S.N.M.)]

Campoplegidea vara Walley

Campoplegidea vara Walley, Sci. Agr., 1940, 20: 663, 664, 668. ♂, ♀. [key, o.d., fig., Baddeck, N.S. (C.N.C.), Conn., N.J., Ont., Pa., Que.]

Campoplegidea variabilis (Franklin)

Campoplex variabilis Franklin, Ent. News, 1915, 26: 356. ♀. [o.d., biol., host a, Wareham, Mass. (Mass. State College)]

Campoplegidea variabilis Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 261. [key]

Campoplegidea variabilis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Campoplegidea variabilis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host b, Me.]

Campoplegidea variabilis Walley, Sci. Agr., 1940, 20: 681. ♂, ♀. [key, des., N.S., Que.]

GEOMETRIDAE: a, *Ematurga amitaria*; b, *Synchlora rubrifrontaria*.

Campoplegidea varicoxa Viereck

Campoplegidea (*Viereckiana*) *varicoxa* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 180. ♂. [key, o.d., Sudbury, Ont. (C.N.C.)]

Campoplegidea (*Viereckiana*) *reticulata* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 181. ♂. [key, o.d., Royal Oak, B.C. (C.N.C.)]

Pseudocasinarina paenealia Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. ♂. [key, o.d., Sudbury, Ont. (C.N.C.)]

Campoplegidea varicoxa Walley, Sci. Agr., 1940, 20: 666, 683. ♂, ♀. [key, syn., des., fig., Alta., B.C., Md., N.H., Ont., Pa., Que.]

Campoplegidea vibecifera Viereck

Campoplegidea vibecifera Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 270. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

Campoplegidea vibecifera Walley, Sci. Agr., 1940, 20: 677. ♂. [key, des.]

Campoplegidea vicina (Provancher)

Campoplex vicinus Provancher, Nat. Canad., 1874, 6: 145. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Campoplex vicinus Provancher, Nat. Canad., 1879, 11: 149; (Faune, p. 364). [key, des.]

Campoplex vicinus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Campoplex vicinus Nason, Ent. News, 1905, 16: 152. [Ill.]

Pseudocasinarina vicina Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

Campoplegidea vicina Walley, Sci. Agr., 1940, 20: 695. ♂, ♀. [key, syn. (in part), des., host b, Ont., Que.]

Campoplegidea vicina Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host a, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*; b, *Semiothisa sexmaculata*.

Campoplegidea villosa (Norton)

Campoplex villosus Norton, Proc. Ent. Soc. Phila., 1863, 1: 365. ♂, ♀. [o.d., Conn., Albany, N.Y. (Yale Univ.)]

Campoplex villosus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 182. [Kans.]

Campoplex villosus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]

Campoplex villosus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [N.J.]

Anisitsia villosus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]

Casinaria (Viereckiana) villosa Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272. ♂, ♀. [des., Conn.]

Campoplegidea villosa Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

Campoplegidea (Viereckiana) villosa Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Viereckiana villosa Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Viereckiana villosa Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Viereckiana villosa Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

Viereckiana villosa Viereck, Bull. N.Y. State Mus., 1928, 274: 183. [N.Y.]

Viereckiana villosa Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

Viereckiana villosus Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Campoplegidea villosa Walley, Sci. Agr., 1940, 20: 723. ♂, ♀. [key, des., B.C., Md., Man., N.J., N.M., Ore., Pa., Que., Va., W.Va.]

Campoplegidea villosa Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Campoplegidea vitticollis (Norton)

Ophion vitticollis Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

Campoplex vitticollis Norton, Proc. Ent. Soc. Phila., 1863, 1: 365. ♀. [o.d., Conn. (Yale Univ.), Md.]

Campoplex vitticollis Provancher, Nat. Canad., 1879, 11: 149; (Faune, p. 364). [key, des., Que.]

Campoplex vitticollis Nason, Ent. News, 1905, 16: 152. [Ill.]

Anisitsia vitticollis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]

Campoplex vitticollis Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Casinaria (Viereckiana) vitticollis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 271. ♀. [des., Conn.]

Campoplex vitticollis(!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

Campoplegidea (Viereckiana) vitticollis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Viereckiana vitticollis Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Viereckiana vitticollis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Viereckiana vitticollis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Viereckiana vitticollis Viereck, Bull. N.Y. State Mus., 1928, 274: 183. [N.Y.]

Campoplegidea vitticollis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 149. [biol., host *a b*, Mass., N.J., N.Y.]

Viereckiana vitticollis Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Campoplegidea vitticollis Walley, Sci. Agr., 1940, 20: 732. ♂, ♀. [key, des., B.C., N.M., "common in northeastern U. S. and adjoining canadian provinces"]

GEOMETRIDAE: a, *Phigalea titea*. LASIOCAMPIDAE: b, *Malacosoma disstria*.

Campoplegidea woodi Viereck

Campoplegidea (Viereckiana) woodi Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 177. ♂. [key, o.d., Coldstream, Ont. (C.N.C.)]

Campoplegidea (Viereckiana) erythrosoma Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 177. ♀. [key, o.d., Montreal, Que. (C.N.C.), Ont.]

Campoplegidea woodi Walley, Sci. Agr., 1940, 20: 700. ♂, ♀. [key, syn., des., Md., Ohio, Ont., Pa., Que., Va.]

Campoplegidea wyomingensis Viereck

Campoplex wyomingensis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 242. ♂. [o.d., near Lander, Wyo. (Univ. Kans.)]

Campoplegidea wyomingensis Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Sask.]

Campoplegidea wyomingensis Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 261. [key]

Campoplegidea walleyi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 271. ♀. [key, o.d., Covey Hill., Que. (C.N.C.), Alta., Ont.]

Campoplegidea diversa Walley, Sci. Agr., 1940, 20: 669. ♂, ♀. [key, syn., des., Alta., B.C., Man., N.B., N.S., Ont., Que., Sask.] In part.

NEPIERA Foerster

Nepiera Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Limneria concinna* Holmgren.

Nepiera basilaris (Provancher) new combination

Limneria basilaris Provancher, Nat. Canad., 1875, 7: 147, 149. ♂. [key, o.d., Que. (M.P.Q.)]

Limneria basilaris Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 371). ♂. [key, des.]

Limneria basilaris (!) Provancher, Nat. Canad., 1882, 13: 364; (Faune p. 786). ♀. [des.]

Limneria basilaris Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

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Limnerium basilare Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Campoplex (Hyposoter) basilaris Viereck, Canad. Ent., 1925, 57: 203. [key]; 1926, 58: 222. [syn.]

***Nepiera benevola* Gahan**

Nepiera benevola Gahan, Proc. U. S. Nat. Mus., 1914, 48: 157. ♂, ♀. [o.d., host *a*, Salt Lake, Utah (U.S.N.M.)]

Nepiera benevola Essig, Insects of Western N. Amer., 1926, p. 792. [Calif.]

Nepiera benevola Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *a*, Ut.]

Nepiera (!) *benevola* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

PIERIDAE: *a*, *Colias notatus eurytheme*.

***Nepiera curticauda* (Viereck) new combination**

Campoplex (Diadegma) curticauda Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 280. ♀. [des., Oliver, B.C. (C.N.C.)]

***Nepiera fuscifemora* Graf, new combination**

Nepiera benevola var. *fuscifemora* Graf, Bull. U. S. Dept. Agr., Feb. 6, 1917, 427: 46. ♀. [o.d. as a fig., biol., host *a*, Southern Calif. (type lost?)]

Nepiera benevola var. *fuscifemora* Gahan, Proc. U. S. Nat. Mus., May 26, 1917, 53: 208. ♂, ♀. [o.d., host *a*, Pasadena, Calif. (U.S.N.M.)] New synonymy.

GELECHIIDAE: *a*, *Gnorimoschema operculella*.

***Nepiera marginata* (Provancher) new combination**

Campoplex marginatus Provancher, Nat. Canad., 1874, 6: 146. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Limneria marginata Provancher, Nat. Canad., 1879, 11: 178; (Faune, p. 370). [key, des.]

Limneria marginata Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

Limneria brevicauda Provancher, Addit. Faune Canada, Hymén., 1886, p. 88. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

Limnerium brevicaudum Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Limnerium marginatum Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Limneria marginata Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex (Ameloctonus) intimus Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 260. ♀. [des., Montreal, Que. (C.N.C.), Ont.] New synonymy.

Campoplex (Ameloctonus) brevicauda Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 279. [syn.]

Limneria marginata Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Nepiera oblonga (Viereck) new combination

Campoplex (*Amelotonus*) *oblongus* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 260. ♀. [des., Orillia, Ont. (C.N.C.)]

Nepiera unica (Viereck) new combination

Angitia (*Diocles*) *unicus* Viereck, Canad. Ent., 1926, 58: 182. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

PHOBOCAMPE Foerster

Hypothereutes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

New synonymy.

Genotype: *Hypothereutes geometrae* Ashmead.

Phobocampe Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Campoplex crassiusculus* Gravenhorst.

Phobocampa Thomson, Opusc. Ent., 1887, 11: 1120.

Genotype: *Campoplex crassiusculus* Gravenhorst.

Phobocampe certa (Viereck) new combination

Campoplex (*Amelotonus*) *certus* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 257. ♀. [des., Ottawa, Ont. (C.N.C.)]

Campoplex (*Amelotonus*) *congeneris* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 259. ♀. [des., Agassiz, B.C. (C.N.C.)] New synonymy.

Phobocampe clisiocampae (Weed) new combination

Amelotonus clisiocampae Weed, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 230. ♂, ♀. [o.d., host *b*, N.H. (N.H. College Agr. Exp. Sta.; cotypes in U.S.N.M. not found)]

Amelotonus clisiocampae Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 198, 206-208, 223, 226. [fig., biol., host *d*, parasite *a b c*, N.H.]

Limnerium clisiocampae Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 143, 192. [biol., host *f*, N.H.]

Campoplex (*Amelotonus*) *clisiocampae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 266. [key, des., Conn.]

Amelotonus clisiocampae Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Campoplex (*Amelotonus*) *clisiocampae* Viereck, Canad. Ent., 1925, 57: 223. [key]

Hyposoter clisiocampae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [host *f*, N.Y.]

Hyposoter clisiocampae Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *a b c e g h*, Conn., Me., Mass., N.H., N.J., N.Y.]

GEOMETRIDAE: a, *Alsophila pometaria*. LASIOCAMPIDAE: b, *Malacosoma americanum*; c, *Malacosoma disstria*; d, *Malacosoma* sp. LYMANTRIIDAE: e, *Hemerocampa leucostigma*; f, *Nygmia phaeorrhea*. NOTODONTIDAE: g, *Datana perspicua*; h, *Schizura concinna*.

Parasites. ICHNEUMONIDAE: a, *Itoplectis conquisitor*. CHALCIDIDAE: b, *Dibrachys cavus*; c, *Pteromalus puparium*.

Phobocampe disparis (Viereck) new combination

Hyposoter disparis Viereck, Proc. U. S. Nat. Mus., 1911, 40: 478. ♂, ♀. [o.d., (Kiev, Russia) (U.S.N.M.)]

Limnerium disparis Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 191. [fig., biol., host a, Japan, Russia]

Limnerium disparidis (!) Howard, Ann. Rpt. Mass. State Forester, 1913, 10: 84. [host a, Mass.]

Limnerium disparidis (!) Howard, Ann. Ent. Soc. Amer., 1914, 7: 87. [Mass.]

Hyposoter disparis Burgess and Crossman, Tech. Bull. U. S. Dept. Agr., 1929, 86: 49–54. [fig., biol., host a, Italy, Mass., Russia]

Hyposoter disparis Muesebeck and Parker, Jour. Agr. Res., 1933, 46: 335–347. [des., fig., biol., host a, parasites, Europe, Mass., N.H.]

LYMANTRIIDAE: a, *Porthetria dispar*.

Phobocampe elyi (Viereck) new combination

Hypothereutes elyi Viereck, Proc. U. S. Nat. Mus., 1912, 43: 590. ♀. [o.d., East River, Conn. (U.S.N.M.)]

Campoplex (*Hypothereutes*) *elyi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 264. [key]

Campoplex (*Hypothereutes*) *elyi* Viereck, Canad. Ent., 1925, 57: 204. [key]

Phobocampe flavipes (Provancher) new combination

Limneria flavipes Provancher, Nat. Canad., 1874, 6: 148. ♂. [key, o.d., Que. (M.P.Q.)]

Limneria flavipes Provancher, Nat. Canad., 1875, 7: 149. [key]

Limneria flavipes Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 371). [key, des.]

Limneria flavipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

Limnerium flavipes Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Campoplex (*Hypothereutes*) *acceptus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 224. ♀. [des., Winnipeg, Man. (C.N.C.), N.H., Ont.] New synonymy.

Idechthis flavipes Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]

Hyposoter flavipes Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host a b c, Mass., N.Y.]

GEOMETRIDAE: a, *Ennomos subsignarius*; b, *Erannis tiliaria*; c, *Phigalia titea*.

Phobocampe geometrae (Ashmead) new combination

Hypothereutes geometrae Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, Mass.]

Hypothereutes geometrae Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 167. ♂. [o.d., host *a*, Arlington, Mass. (U.S.N.M.)]

Campoplex angustus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

Campoplex (*Hypothereutes*) *concisus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 224. ♂, ♀. [des., Aylmer, Que. (C.N.C.)] New synonymy.

Campoplex (*Ischnoscopus*) *largo* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 198. ♀. [des., Royal Oak, B.C. (C.N.C.)] New synonymy.

Campoplex (*Ischnoscopus*) *angustus* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 198. ♀. [des., Alymer, Que. (C.N.C.)] New synonymy.

Hyposoter geometrae Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Hyposoter geometrae Viereck, Bull. N.Y. State Mus., 1928, 274: 184. [N.Y.]

Hyposoter geometrae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928, 955. [parasite *a*, N.Y.]

Hyposoter geometrae Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

GEOMETRIDAE: *a*, geometrid on *Betula alba*.

Parasite. ICHNEUMONIDAE: *a*, *Bathythrix triangularis*.

Phobocampe pallida (Cushman) new combination

Callidora pallida Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20. ♀. [o.d., Montgomery Co., Pa. (U.S.N.M.)]

Phobocampe pallipes (Provancher) new combination

Limneria pallipes Provancher, Nat. Canad., 1875, 7: 147, 149. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria pallipes Provancher, Nat. Canad., 1879, 11: 180; (Faune, p. 372). ♂, ♀. [key, des.]

Limneria pallipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

Limneria pallipes Howard, Insect Life, 1892, 4: 254. [host *c*, parasite *a*, D.C.]

Limnerium pallidipes Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

Campoplex (*Ameloctonus*) *pallipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key]

Campoplex (*Limneria*) *pallipes* Britton, Bull. Conn. Agr. Exp. Sta., 1918, 203: 323. [host *c*]

Campoplex (*Ameloctonus*) *pallipes* Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 279. [syn.]

Campoplex (*Campoplex*) *arcanus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♀. [des., Caradoc, Ont. (C.N.C.)] New synonymy.

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Hyposoter pallipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Hyposoter pallipes Balch, Jour. Econ. Ent., 1932, 25: 1147. [host a]

Hyposoter pallipes Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host a b, Mass., N.J.]

Hyposoter pallipes Brown, Tech. Bull. Canada Dept. Agr., 1941, 31: 8. [host b, Canada]

LYMANTRIIDAE: a, *Hemerocampa pseudotsugata*; b, *Notolophus antiquus*. ARCTIIDAE: c, *Hyphantria cunea*.

Parasite. CHALCIDIDAE: a, *Elasmus atratus*.

Phobocampe vernalis (Viereck) new combination

Campoplex (Hypothereutes) vernalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 264. (♀). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]

Campoplex (Hypothereutes) vernalis Viereck, Canad. Ent., 1925, 57: 204. [key]

Campoplex (Hyposoter) stenus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 220. ♂. [des., Hull., Que. (C.N.C.)] New synonymy.

Campoplex (Amelotonus) speciosus Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 257. ♀. [des., Banff, Alta. (C.N.C.)] New synonymy.

Campoplex (Amelotonus) vernalis Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 257. [syn.]

HOROGENES Foerster

Angitia Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 327. Pre-occupied by Walker, 1858.

Genotype: *Angitia glabricula* Holmgren.

Horogenes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Limnerium (Horogenes) discoocellellae* Viereck.

Diectes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153. Pre-occupied by Ménétriés, 1849 and by Reichenbach, 1850.

Genotype: *Campoplex exareolatus* Ratzeburg.

Diadegma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153. New synonymy.

Genotype: *Campoplex crassicornis* Gravenhorst.

Enytus Cameron, Invert. Pacifica, 1905, 1: 132.

Genotype: (*Enytus maculipes* Cameron) = *eureka* Ashmead.

Nothanomaloides Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 272. New synonymy.

Genotype: *Nothanomaloides stenosomus* Viereck.

Inareolata Ellinger and Sachtleben, Sci. Rpt. Internat. Corn Borer Invest., 1927-28, p. 117. New name for *Diectes* Foerster.

Horogenes acronyctae (Ashmead) new combination

Limneria acronyctae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 194. ♂.

[key, o.d., host *a*, no locality given (U.S.N.M.)]

Limnerium acronyctae Dalla Torre, Cat. Hymen., 1901, 3: 89. [syn.]

Campoplex (*Ameloctonus*) *acronyctae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key]

PHALAENIDAE: *a*, *Acronicta oblinita*.

Horogenes acutus (Viereck) new combination

Campoplex (*Hyposoter*) *acutus* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 200. ♀. [des., Oliver, B.C. (C.N.C.)]

Campoplex (*Hyposoter*) *vancouverensis* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 199. ♀. [des., Vancouver, B.C. (C.N.C.)] New synonymy.

Angitia platyptiliae Cushman, Pan-Pacific Ent., 1939, 15: 183. ♂, ♀. [o.d., host *a*, Half Moon Bay, Calif. (U.S.N.M.)] New synonymy.

Angitia platyptiliae Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 22, 67. [des., fig., biol., host *a b c*, Calif.]

PTEROPHORIDAE: *a*, *Platyptilia carduidactyla*. PYRAUSTIDAE: *b*, *Phlyctaenia rubigalis*; *c*, *Pyrausta subsequalis*.

Horogenes aestivalis (Viereck) new combination

Angitia aestivalis Viereck, Psyche, 1921, 28: 71. ♀. [o.d., Falls Church, Va. (M.C.Z.)]

Campoplex (*Angitia*) *aestivalis* Viereck, Canad. Ent., 1925, 57: 228. [key]

Angitia aestivalis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 417. [host *a*, Me.]

COLEOPHORIDAE: *a*, *Coleophora* sp. on *Ribes* sp.

Horogenes albertae (Walley) new combination

Angitia albertae Walley, Canad. Ent., 1929, 61: 191, 193. ♀. [key, o.d., Slave Lake, Alta. (C.N.C.)]

Horogenes albipes (Provancher) new combination

Porizon albipes Provancher, Addit. Faune Canada, Hymén., 1888, p. 364. ♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

Campoplex (*Nemeritis*) *ocellatus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 179. ♂. [des., Aylmer, Que. (C.N.C.)] New synonymy.

Horogenes alticola (Cushman) new combination

Zaporus alticola Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Diectes alticola Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 11. ♀. [syn., o.d., Mt. Washington, N.H. (U.S.N.M.)]

Campoplex (*Diectes*) *alticola* Viereck, Canad. Ent., 1925, 57: 227. [key]

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Horogenes annulipes (Ashmead) new combination

Hypothereutes annulipes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 236. ♀.
[o.d., Alaska (U.S.N.M.)]

Campoplex (*Ameloctonus*) *taeniopus* Viereck, Canad. Ent., 1925, 57: 224. [key,
new name for *Hypothereutes annulipes* Ashmead]

Horogenes antennaellae (Walley) new combination

Campoplex (*Angitia*) *antennaellae* Walley, Canad. Ent., 1932, 64: 182. ♀
(only). [o.d., host *a*, Bobcaygeon, Ont. (C.N.C.)] The male described is a
species of *Campoplex*.

COLEOPHORIDAE: *a*, *Coleophora occidentis*.

Horogenes buckelli (Viereck) new combination

Campoctonoides buckelli Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key];
57: 296. ♀. [des., Nicola, B.C. (C.N.C.)]

Horogenes cacoeciae (Viereck) new combination

Campoplex (*Angitia*) *cacoeciae* Viereck, Canad. Ent., 1924, 56: 67. ♀. [o.d.,
host *a*, Vernon, B.C. (C.N.C.)]

Campoplex (*Angitia*) *cacoeciae* Viereck, Canad. Ent., 1925, 57: 228. [key]

Angitia cacoeciae Walley, Canad. Ent., 1929, 61: 192. [key]

TORTRICIDAE: *a*, *Archips rosana*.

Horogenes combinatus (Holmgren) new combination

Limneria combinata Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2, pt. 2: 62.
♂, ♀. [o.d., Ilstorp, Scania and Hvitsand, Vermland in Sweden (?Stock-
holm Mus.)]

Angitia combinata Thomson, Opusc. Ent., 1887, 11: 1162. [des., Europe]

Angitia combinata Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11. ♀.
[des., Greenland]

Horogenes compressus (Cresson) new combination

Mesoleptus compressus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 260. ♂. [o.d.,
Pa. (A.N.S.P.)]

Limneria ferrugineipes Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 432. ♂.
[key, o.d., Tex. (U.S.N.M.)] New synonymy.

Casinaria compressa Riley and Howard, Insect Life, 1890, 3: 157. [host *i*,
Ohio]

Limneria ferrugineipes Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30:
7. [des., biol., host *h*, S.D.]

Limnerium ferrugineipes Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limneria compressa Nason, Ent. News, 1905, 16: 152. [Ill.]

Idecthis (!) *paenerivalis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 216. ♂, ♀.
[o.d., Galveston, Tex. (Univ. Kans.)] New synonymy.

- Omorgus ferrugineipes* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 138. ♂, ♀. [key, des., host g, Pa.]
- Campoplex (Angitia) oedemisiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [o.d., East Hartford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Campoplex (Angitia) ruficoxa* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [key, Conn.] Misdetermination of *Limneria ruficoxa* Prov.
- Campoplex (Ecphora) oedemisiformis* Viereck, Canad. Ent., 1925, 57: 202. [key]
- Campoplex (Ischnoscopus) paenerivalis* Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 199. [key, syn.]
- Campoplex (Campoplex) ruficoxalis* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 144. ♂. [des.]; 58: 176. [syn., West Haven, Conn. (Conn. Agr. Exp. Sta.)] New name for *Campoplex (Angitia) ruficoxa* Viereck, 1917 not Provancher. New synonymy.
- Campoplex (Angitia) oedemisiformis* Viereck, Canad. Ent., 1925, 57: 228. [key]
- Campoplex ferrugineipes* Schott, Jour. N.Y. Ent. Soc., 1925, 33: 55. [host d, N.J.]
- Campoplex ferrugineipes* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Campoplex ferrugineipes* Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16-17. [fig., host c, Va.]
- Campoplex ferrugineipes* Poos and Peters, Bull. Va. Truck Exp. Sta., 1927, 61: 621, 622. [host b c, Va.]
- Campoplex ferrugineipes* Poos, Proc. Ent. Soc. Wash., 1928, 30: 147, 149. [host c, Va.]
- Campoplex ferrugineipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]
- Campoplex ferrugineipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Angitia oedemisiformis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Angitia ferrugineipes* Nelson, Jour. Econ. Ent., 1936, 29: 312. [host e, Va.]
- Angitia ferrugineipes* Thomas, Jour. Econ. Ent., 1936, 29: 315. [host c, Pa.]
- Angitia ferrugineipes* Thomas, Bull. Pa. State Col., 1936, 337: 9. [host a, Pa.]
- Angitia paenerivalis* Beckwith, Jour. Econ. Ent., 1938, 31: 255. [host e, N.J.]
- Angitia paenerivalis* Cushman, Pan-Pacific Ent., 1939, 15: 185. [syn.]

GELECHIIDAE: a, *Keiferia lycopercicella*; b, *Keiferia glochinella*; c, *Gnorimoschema operculella*. TORTRICIDAE: d, *Amelia pallorana*; e, *Platynota stultana*; f, *Sparganothis sulfureana*. OLETHREUTIDAE: g, *Polychrosis viteana*. CIMBICIDAE: h, *Cimbex americana*. Miscellaneous: i, lepidopterous larva.

Horogenes comptoniellae (Viereck) new combination

Campoplex (Hyposoter) comptoniellae Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 219. ♂, ♀. [des., host *d e*, Wakefield, Que. (C.N.C.)]

Campoplex digitatus Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 11. ♂, ♀. [o.d., host *a b c*, Newington, N.H. (U.S.N.M.), Mass., R.I.] New synonymy.

GELECHIIDAE: a, *Aroga trialbamaculata*. TORTRICIDAE: b, *Peronea fragariana*. PHYCITIDAE: c, *Acrobasis caryivorella*; d, *Acrobasis comptoniella*; e, *Acrobasis rubrifasciella*.

Horogenes conodor (Viereck) new combination

Campoplex (Nemeritis) conodor Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key, (Sudbury, Ont.) (C.N.C.)]

Campoplex (Nemeritis) concolor (!) Viereck, Canad. Ent., 1926, 58: 179. ♀. [des., Ont.]

Horogenes discoocellellae (Viereck)

Limnerium (Horogenes) discoocellellae Viereck, Proc. U. S. Nat. Mus., 1911, 39: 404. ♀. [o.d., host *a*, Washington, D.C. (U.S.N.M.)]

Angitia discoocellellae Ingerson, Bull. U. S. Dept. Agr., 1918, 599: 12. [host *b*, Mich.]

Angitia discoocellellae Cushman, Proc. Ent. Soc. Wash., 1925, 27: 166. [syn.]

GELECHIIDAE: a, *Chionodes violaceofusca*; b, *Filatima persicaella*.

Horogenes eureka (Ashmead) new combination

Limneria eureka Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 436. ♂. [key, o.d., Los Angeles, Calif. (U.S.N.M.)]

Limnerium eureka Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Enytus maculipes Cameron, Invertebrata Pacifica, 1903, 1: 132. ♀. [o.d., near Stanford Univ., Calif. (British Mus.)] New synonymy.

Dioctes maculipes Morley, Ann. Mag. Nat. Hist., 1914, (8) 14: 409. [syn.]

Angitia maculipes Morley, Ann. Mag. Nat. Hist., 1915, (8) 16: 340. [syn.]

Campoplex (Dioctes) eureka Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]

Campoplex (Dioctes) rosaceanae Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 181. ♀. [des., host *a*, Vernon, B.C. (C.N.C.)] New synonymy.

Campoplex (Dioctes) maculipes Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]

Campoplex eureka Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

Dioctes eureka Basinger, Monthly Bull. Calif. Dept. Agr., 1935, 24: 233. [host *b*, Calif.]

Diocetes eureka Edwards and Mote, Jour. Econ. Ent., 1936, 29: 1123. [host c, Ore.]

TORTRICIDAE: a, *Archips rosaceana*; b, *Argyrotaenia citrana*; c, *Cnephasia longana*.

Horogenes exareolatus (Ratzeburg) new combination

Campoplex exareolata Ratzeburg, Ichneum. d. Forstins., 1852, 3: 89. ♂, ♀.
[o.d., host Germany (? Forstliche Hochschule, Eberswalde, Germany)]

Angitia exareolata Thomson, Opusc. Ent., 1887, 11: 1163. [des., Europe]

Limneria exareolata Lundbeck, Vidensk. Medd. Nat. For. København, (1896).
1897, p. 238. [Greenland]

Horogenes fenestralis (Holmgren) new combination

Limneria fenestralis Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, pt. 2: 59.
♂, ♀. [o.d., Sweden (? Stockholm Mus.)]

Angitia fenestralis Thomson, Opusc. Ent., 1887, 11: 1156. ♂, ♀. [des., host, Europe]

Angitia fenestralis Walley, Canad. Ent., 1929, 61: 193. [key, Ont.]

Angitia fenestralis Peck, Canad. Jour. Res., 1937, D, 15: 239, 240, 244. [fig., morphology]

Horogenes galleriae (Cushman) new combination

Angitia galleriae Cushman, Proc. U. S. Nat. Mus., 1920, 58: 266. ♂, ♀.
[o.d., host a, Lansing, Mich. (U.S.N.M.)]

Campoplex (Angitia) galleriae Viereck, Canad. Ent., 1925, 57: 227. [key]

GALLERIIDAE: a, *Galleria mellonella*.

Horogenes groenlandicus (Roman) new combination

Anilasta groenlandica Roman, Arkiv för Zoologi, 1916, 10, no. 22: 11. ♀.
[o.d., Eidi, Greenland (Stockholm Mus.)]

Anilastus groenlandicus Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 538. [syn.]

Angitia groenlandica Roman, Ann. Mag. Nat. Hist., 1934, (10) 14: 610. [des., Greenland]

Horogenes insularis (Cresson) new combination

Mesoleptus insularis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 15. ♂. [o.d., Cuba (A.N.S.P.)]

Limneria polynesialis Cameron, Trans. Ent. Soc. London, 1883, p. 191. ♀.
[o.d., Haleakala, 4000 ft., Maui, Hawaii (location of type unknown)]

Campoplex (Angitia) hellulae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631.
♀. [o.d., host b c, Santa Ana, Calif. (U.S.N.M.)] New synonymy.

MEM. AMER. ENT. SOC., 11 pt. 2.

Angitia polynesiensis Timberlake, Proc. Hawaiian Ent. Soc., 1918, 3: 400. [syn. (in part), des., Hawaii]

Campoplex (Angitia) hellulae Viereck, Canad. Ent., 1925, 57: 228. [key]

Angitia hellulae Walker and Anderson, Bull. Va. Truck Exp. Sta., 1936, 93: 1382. [biol., host *a*, parasite *a*, Va.]

Angitia hellulae Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Angitia hellulae Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

YFONOMEUTIDAE: *a*, *Plutella maculipennis*; *b*, *Plutella omissa*?. PYRAUSTIDAE: *c*, *Hellula undalis*.

Parasites. CHALCIDIDAE: *a*, *Eupteromalus viridescens*.

Horogenes johanseni (Viereck) new combination

Campoctonoides johanseni Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 297. ♂, ♀. [des., Alright Is., Que. (C.N.C.)]

Horogenes kiehtani (Viereck) new combination

Campoplex (Angitia) kiehtani Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♀). [o.d. in key, host *b*, Woodruff's Storehouse, Orange, Conn. (Conn. Agr. Exp. Sta.)]

Campoplex (Angitia) woonandi Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [o.d., West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Campoplex (Hyposoter) petiolatus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 221. ♀. [des., Trenton, Ont. (C.N.C.)] New synonymy.

Campoplex (Hyposoter) curtus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 221. ♀. [des., Montreal, Que. (C.N.C.)] New synonymy.

Campoplex (Hyposoter) triangularis Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 222. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

Campoplex (Diadegma) costata Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 279. ♀. [des., Biburn, Hastings Co., Ont. (C.N.C.)] New synonymy.

Campoplex (Angitia) kiehtani Viereck, Canad. Ent., 1925, 57: 228. [key]

Campoplex (Angitia) woonandi Viereck, Canad. Ent., 1925, 57: 228. [key]

Campoplex (Eulimneria) bakeri Viereck, Canad. Ent., 1925, 57: 278. ♀. [o.d., host *c*, St. Anne, Que. (C.N.C.)] New synonymy.

Campoplex (Ecphora) kiehtani Viereck, Canad. Ent., 1926, 58: 282. [syn.]

Angitia incipiens Walley, Canad. Ent., 1929, 61: 192, 193. ♀. [key, o.d., host *a*, London, Ont. (C.N.C.)] New synonymy.

PHYCITIDAE: *a*, ?*Ephestia kuehniella*; *b*, ?*Plodia interpunctella*. Miscellaneous: *c*, pod borer in *Iris* sp.

Horogenes laticeps (Viereck) new combination

Campoplex (Hyposoter) laticeps Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 220. ♀. [des., Victoria, B.C. (C.N.C.), Alta.]

Horogenes lyonetae (Viereck) new combination

Campoplex (*Nemeritis*) *lyonetae* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 178. ♂. [des., host *a*, Nelson, B.C. (C.N.C.)]

LYONETIDAE: *a*, *Lyonetia speculella*.

Horogenes minutus (Viereck) new combination

Campoplex (*Hyposoter*) *minutus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 221. ♀. [des., Okanagan Valley, B.C. (C.N.C.)]

Hyposoter mimulus (!) Brimley, Suppl. Insects of N.C., 1942, 31. [N.C.]

Horogenes molestae (Uchida) new combination

Diocles molestae Uchida, Jour. Wash. Acad. Sci., 1933, 23: 148. ♀. [o.d., fig., host *a*, Japan (? Hokkaido Imp. Univ.)]

Angitia (*Diocles*) *molestae* Neave, Rev. Appl. Ent., 1934, 22: 354. [syn.]

Diocles molestae Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 223, 224. [biol., host *a*, Conn.]

Diocles molestae Allen, Holloway, and Haeussler, Cir. U. S. Dept. Agr., 1940, 561: 16-17, 51-52. [host *a*, Va.]

OLETHREUTIDAE: *a*, *Grapholitha molesta*.

Horogenes montanus (Ashmead) new combination

Ischnocerus montanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 418. ♀. [o.d., West Cliff, Custer Co., Colo. (U.S.N.M.)]

Campoplex (*Diocles*) *montanus* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]

Horogenes obliteratus (Cresson) new combination

Mesoleptus obliteratus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 260. ♀. [o.d., Ill. (A.N.S.P.)]

Limneria obliterata Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]

Limneria elegans Weed, Bull. Ill. State Lab. Nat. Hist., 1887, 3: 40. ♀. [o.d., host *i*, (Urbana, Ill.) (Ill. Nat. Hist. Surv.)] New synonymy.

Limneria obliterata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

Limneria salicicola Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 437. ♀. [key, o.d., host *g*, London, Ont. (U.S.N.M.)] New synonymy.

Limneria salicicola Riley and Howard, Insect Life, 1890, 3: 158. [Tex.]

Limneria obliterata Riley and Howard, Insect Life, 1890, 3: 158. [host *e*, Mo.]

Limneria salicicola Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Limnerium obliteratum Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

Limnerium elegans Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

Limnerium salicicolum Dalla Torre, Cat. Hymen., 1901, 3: 103. [syn.]

Thymaris slingerlandana Ashmead, Canad. Ent., 1904, 36: 333. ♀. [o.d., fig., host *l*, Ithaca, N.Y. (U.S.N.M.)]

- Thymaris slingerlandana* Slingerland, Bull. Cornell Univ. Agr. Exp. Sta., 1904, 223: 53. [biol., host *l*, N.Y.]
- Diocetes obliteratus* Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 116: 48. [host *l*, Pa.]
- Campoplex* (*Diocetes*) *obliteratus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 266. [des.]
- Diocetes obliteratus* Felt, Ann. Rpt. Ent. Soc. Ont., 1918, 48: 46. [host *d*, N.Y.]
- Diocetes obliteratus* Felt, Cornell Univ. Agr. Exp. Sta. Extension Bull., 1918, 27: 147. [host *d*, N.Y.]
- Diocetes obliteratus* Porter and Garman, Bull. Conn. Agr. Exp. Sta., 1923, 246: 260. [biol., host *d*, Conn., N.Y.]
- Campoplex* (*Diocetes*) *obliteratus* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]
- Campoplex* (*Nemeritis*) *dolichourus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 178. ♀. [des., host *a*, Oakville, Ont. (C.N.C.)] New synonymy.
- Diocetes salicicola* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
- Diocetes obliteratus* Gentner, Spec. Bull. Mich. Agr. Exp. Sta., 1925, 148: 9. [host *l*, Mich.]
- Diocetes obliteratus* Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *h*, Pa.]
- Diocetes obliteratus* Cushman, Proc. Ent. Soc. Wash., 1926, 28: pl. 3 fig. 10d. [biol.]
- Diocetes obliteratus* Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host *h*, Va.]
- Diocetes obliteratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host *d h k*, N.Y.]
- Diocetes salicicola* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host *f*, N.Y.]
- Diocetes obliteratus* Dozier, Butler, and Williams, Bull. Univ. Del. Agr. Exp. Sta., 1929, 162: 41. [host *l*, Del.]
- Diocetes obliteratus* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 75, 76, 77. [host *k*, Ont.]
- Diocetes obliteratus* Dozier and Butler, Jour. Econ. Ent., 1929, 22: 135. [host *l*, Del.]
- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126. [biol., host *k*, Ont.]
- Angitia* (*Diocetes*) *obliterata* Neave, Rev. Appl. Ent., 1929, 16: 713. [syn.]
- Diocetes obliteratus* Haeussler, Jour. Agr. Res., 1930, 41: 372. [host *k*, N.J.]
- Diocetes obliteratus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [host *d*, Mass.]
- Diocetes obliteratus* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *k*, Ohio]
- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59, 60. [host *k*, Ont.]

- Diocles obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67, 68.
[host *k*, Ont.]
- Diocles obliteratus* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-16.
[host *k*, N.Y.]
- Diocles obliteratus* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *k*, Tenn.]
- Diocles obliteratus* Merritt, Jour. Econ. Ent., 1933, 26: 789-790. [host *k*, Mich.]
- Diocles obliteratus* Montgomery, Canad. Ent., 1933, 65: 186. [host *n*, Ind.]
- Diocles obliteratus* McSparan, Bull. Pa. Dept. Agr., 1934, 526: 27. [host *k*, Pa.]
- Inareolata obliterata* Putman, Canad. Ent., 1935, 67: 48. [host *b c d l m*, Ont.]
- Inareolata obliterata* Putman, Canad. Ent., 1935, 67: 106, 107, 109. [host
b c d l m, Ont.]
- Diocles obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71.
[host *k*, Ont.]
- Diocles obliteratus* Garlick, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 111. [biol.,
host *l*, Ont.]
- Diocles obliteratus* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26, 27.
[host *k l*, Ohio]
- Diocles obliteratus* Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69:
72. [biol., host *k*, Ont.]
- Inareolata obliterata* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host
k, Del.]
- Diocles obliteratus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *j*,
Canada]

COLEOPHORIDAE: *a*, *Coleophora fletcherella*. YPONOMEUTIDAE: *b*, *Argyresthia oreasella*; *c*, *Xyrosaris celastrusella*. GLYPHIPTERYGIDAE: *d*, *Anthophila pariana*. GELECHIIDAE: *e*, *?Aristotelia rubidella*; *f*, *Dichomeris ligulella*; *g*, "*Gelechia*" on *Salix* sp. TORTRICIDAE: *h*, *Argyrotaenia velutinana*; *i*, *Peronea minuta*; *j*, *Peronea variana*. OLETHREUTIDAE: *k*, *Grapholitha molesta*; *l*, *Polychrosis viteana*; *m*, *Proteoteras aesculana*. PYRAUSTIDAE: *n*, *Desmia funeralis*.

Horogenes obliteratedellus (Viereck) new combination

Campoplex (*Hyposoter*) *obliteratedella* Viereck, Canad. Ent., 1925, 57: 204. [o.d.
in key]; 1926, 58: 222. ♀. [des., Agassiz, B.C. (C.N.C.)]

Horogenes obscurus (Cresson) new combination

- Mesoleptus obscurus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 261. ♀. [o.d.,
Ill. (A.N.S.P.)]
- Limneria obscura* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. [Tex.]
- Limneria obscura* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
- Limneria obscura* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Meloboris obscura* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.
[N.Y.]
- Limnerium obscurum* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]
- Limneria obscura* Nason, Ent. News, 1905, 16: 152. [Ill.]

Limnerium obscurum Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [syn.] In part.

Angitia obscura Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631. [syn.]

Campoplex (Hyposoter) convergens Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 200. ♀. [des., Cranbrook, B.C. (C.N.C.), Alta.] New synonymy.

Campoplex (Ischnoscopus) vinalis Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 197. ♀. [des., Hemmingford, Que. (C.N.C.)] New synonymy.

Campoplex (Angitia) obscura Viereck, Canad. Ent., 1925, 57: 228. [key]; 1926, 58: 282. [syn.]

Angitia obscura Ainslie, Tech. Bull. U. S. Dept. Agr., 1927, 31: 15. [host *a*, Ind.]

Cymodusa obscura Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

Angitia obscura Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

CRAMBIDAE: *a*, *Crambus* sp.

Horogenes oculus (Viereck) new combination

Campoplex (Nemeritis) oculus Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 179. ♂. [des., host *a*, Ont. (C.N.C.)]

GEOMETRIDAE: *a*, canker worm.

Horogenes openangorum (Viereck) new combination

Campoplex (Angitia) openangorum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [o.d. in key, Thompson, Conn. (Conn. Agr. Exp. Sta.)]

Campoplex (Angitia) openangorum Viereck, Canad. Ent., 1925, 57: 228. [key]

Horogenes paenesessilis (Viereck) new combination

Campoplex (Hyposoter) paenesessilis Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 222. ♀. [des., Ottawa, Ont. (C.N.C.)]

Horogenes parvus (Provancher) new combination

Limneria parva Provancher, Nat. Canad., 1874, 6: 147. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria parva Provancher, Nat. Canad., 1875, 7: 149. [key]

Limneria parva Provancher, Nat. Canad., 1879, 11: 176; (Faune, p. 368). [key, des.]

Limneria parva Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Limneria parva Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Limneria parva Fletcher, Ann. Rpt. Ent. Soc. Ont., 1900, 30: 108. [host *a*, Ont.]

Limnerium parvum Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

YPONOMEUTIDAE: a, *Plutella maculipennis*.

Horogenes parviformis (Viereck) new combination

Campoplex (*Angitia*) *parviformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♀). [o.d. in key, North Haven, Conn. (Conn. Agr. Exp. Sta.)]

Campoplex (*Angitia*) *parviformis* Viereck, Canad. Ent., 1925, 57: 228. [key]

Horogenes patens new name

Angitia (*Inareolata*) *laticeps* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. ♂, ♀. [o.d., central Lapland, Sweden (? Stockholm Mus.), Siberia, Greenland]. Preoccupied in *Horogenes* by Viereck, 1925.

Horogenes pattoni (Ashmead) new combination

Limneria Pattoni Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 434. ♂. [key, o.d., Selma, Ala. (U.S.N.M.)]

Limneria eurycreontis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 434. ♀. [key, o.d., host *b*, Kellogg, Cowley Co., Kans. (U.S.N.M.)] New synonymy.

Limneria eurycreontis Riley, Insect Life, 1890, 2: 328. ♂, ♀. [fig., biol., host *b*, Ark.]

Limneria eurycreontis Riley and Howard, Insect Life, 1890, 3: 158. [D.C.]

Limneria mississippiensis Ashmead, Insect Life, 1894, 7: 243. ♀. [o.d., Utica, Miss. (U.S.N.M.)] New synonymy.

Limnerium eurycreontis Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limnerium mississippiense Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Limnerium pattonii Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

Amorphota paenexareolata Viereck, Trans. Kans. Acad. Sci., 1905, 19: 309. ♂. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

Amorphota confluens Viereck, Trans. Amer. Ent. Soc., 1906, 32: 217. ♀. [o.d., Galveston, Tex. (Univ. Kans.)] New synonymy.

Amorphota paenexareolata Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]

Cymodusa simplicicornis Viereck, Proc. Biol. Soc. Wash., 1916, 29: 168. ♀. [o.d., Wallops Is., Va. (U.S.N.M.)] New synonymy.

Limneria eurycreonis (!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Cymodusa mississippiensis Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 282. [syn.]

Cymodusa simplicicornis Viereck, Canad. Ent., 1925, 57: 180. [key]

Campoplex (*Hyposoter*) *confluens* Viereck, Canad. Ent., 1925, 57: 204. [key]; 1926, 58: 222. [syn.]

Campoplex (*Campoplex*) *paenexareolatus* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

Campoplex (Diadegma) eurycreontis Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

Campoplex (Diadegma) pattoni Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

Cymodusa mississippiensis Ainslie, Tech. Bull. U. S. Dept. Agr., 1930, 173: 24. [host a]

CRAMBIDAE: a, *Crambus teterellus*. PYRAUSTIDAE: b, *Loxostege similis*.

Horogenes plutellae (Viereck) new combination

Angitia plutellae Viereck, Proc. U. S. Nat. Mus., 1912, 43: 583. ♀. [o.d., host c, Rocky Ford, Colo. (U.S.N.M.)]

Angitia plutellae Marsh, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 109: 75. [host a, Colo.]

Angitia plutellae Marsh, Jour. Agr. Res., 1917, 10: 8. [fig., biol., host b, Ariz., Colo.]

Angitia polynesiensis Timberlake, Proc. Hawaiian Ent. Soc., 1918, 3: 400. [syn.] In part.

Campoplex (Hyposoter) pygmaeus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 220. ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.

Campoplex (Angitia) plutellae Viereck, Canad. Ent., 1925, 57: 228. [key]

Sagaritis n. sp. Walley, Canad. Ent., 1926, 58: 225. ♂, ♀. [des., biol., Sask.]

Sagaritis congregator Walley, Canad. Ent., 1927, 59: 228. [o.d. in key, name for *Sagaritis* n. sp. Walley, (LaFleche, Sask.) (C.N.C.)] New synonymy.

Angitia plutellae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host b, N.Y.]

Sagaritis congregator King, Sci. Agr., 1929, 9: 385. [host b, Sask.]

Angitia plutellae Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host b d, Ut.]

Angitia plutellae Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

YPONOMEUTIDAE: a, *Plutella amoraciae*; b, *Plutella maculipennis*; c, *Plutella omissa*. PYRAUSTIDAE: d, *Hellula undalis*.

Horogenes pterophorae (Ashmead) new combination

Limneria pterophorae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♀. [key, o.d., host a, Alameda, Calif. (U.S.N.M.)]

Limneria pterophorae Riley and Howard, Insect Life, 1890, 3: 157. [Tex.]

Limnerium pterophorae Dalla Torre, Cat. Hymen., 1901, 3: 102. [syn.]

Campoplex (Angitia) pterophorae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631. [syn.]

Campoplex (Angitia) pterophorae Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 282. [syn.]

Angitia pterophorae Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

PTEROPHORIDAE: a, "*Pterophorus*" on *Malus pumila*.

Horogenes punctorius (Roman) new combination

- Angitia* (*Diocetes*) *punctoria* Roman, Ent. Tidskr., 1923, 44: 171. ♂, ♀.
[o.d., host *a*, Southern France (Stockholm Mus.)]
- Angitia* (*Diocetes*) *punctoria* Larrimar, Monthly letter U. S. Dept. Agr. Bur.
Ent., 1926, 147: 4. [host *a*, New England]
- Diocetes punctoria* Jones, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 55. [biol., host *a*,
Mass.]
- Inareolata punctoria* Wishart and Thomas, Ann. Rpt. Ent. Soc. Ont., 1933, 63:
40, 41. [biol., host *a*, Ont.]
- Inareolata punctoria* Gibson, Cong. Internat. Ent. Paris, 1933, 2: 62. [host *a*,
Ont.]
- Inareolata punctoria* Baird, Proc. 5th Pacific Sci. Cong., 1934, 5: 3540. [host *a*,
Canada]
- Inareolata punctoria* Davis, Jour. Econ. Ent., 1935, 28: 328. [host *a*, United
States]
- Inareolata punctoria* Baker and Bradley, Jour. Econ. Ent., 1938, 31: 345, 346,
348. [host *a*, Conn., Mass., Mich., N.J.]
- Inareolata punctoria* Caffrey, Farmers' Bull. U. S. Dept. Agr., 1941, 1548,
revised: 19. [host *a*, Eastern States]
- PYRAUSTIDAE: *a*, *Pyrausta nubilalis*.

Horogenes rivalis (Cresson) new combination

- Limneria rivalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♀ (only).
[o.d., Bosque Co., Tex. (U.S.N.M.)]
- Limneria rivalis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
- Limneria rivalis* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 42.
[Ohio]
- Limneria rivalis* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Omorga rivalis* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 340. [syn.]
- Campoplex* (*Angitia*) *rivalis* Viereck, Canad. Ent., 1925, 57: 228. [key]; 1926,
58: 282. [syn.]
- Cymodusa rivalis* Cushman, Proc. Ent. Soc. Wash., 1925, 27: 166. [syn.]

Horogenes rosanae (Viereck) new combination

- Campoplex* (*Angitia*) *rosanae* Viereck, Canad. Ent., 1924, 56: 68. ♀. [o.d.,
host *a*, Sydney, N.S. (C.N.C.)]
- Campoplex* (*Ischnoscopus*) *alterus* Viereck, Canad. Ent., 1925, 57: 223. [o.d.
in key]; 1926, 58: 196. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
- Campoplex* (*Angitia*) *rosanae* Viereck, Canad. Ent., 1925, 57: 228. [key]
- Angitia rosanae* Walley, Canad. Ent., 1929, 61: 192. [key]
- Angitia rosanae* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-16.
[host *b*, N.Y.]

TRICIDAE: *a*, *Archips rosana*. OLETHREUTIDAE: *b*, *Grapholitha molesta*.

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Horogenes solenobiae (Ashmead) new combination

Limneria solenobiae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 433. ♂. [key, o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

Limneria solenobiae Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Limnerium solenobiae Dalla Torre, Cat. Hymen., 1901, 3: 104. [syn.]

Campoplex (*Diadegma*) *solenobiae* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

Limnerium solenobiae Taylor, Ent. Amer., 1929, 10: 40. [Mass.]

Diadegma solenobiae Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 417. [Me.]

PSYCHIDAE: *a*, *Solenobia walshella*.

Horogenes solus (Viereck) new combination

Campoplex (*Nemeritis*) *solus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 180. ♀. [des., Chilcotin, B.C. (C.N.C.)]

Horogenes stenosomus (Viereck) new combination

Nothanomaloides stenosomus Viereck, Trans. Roy. Soc. Canada, 1925, 19: 272. ♀. [o.d., Sudbury, Ont. (C.N.C.)]

Horogenes trachas (Viereck) new combination

Campoplex (*Nemeritis*) *trachas* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 181. ♂. [des., Cochrane, Alta. (C.N.C.)]

Horogenes truncatus (Viereck) new combination

Campoplex (*Hyposoter*) *truncatus* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 200. ♀. [des., Bernard Harbour, N.W. Terr. (C.N.C.)]

Horogenes sp.

Ameloctonus fugitivus Viereck, Canad. Ent., 1925, 57: 104. [syn.] Mis-determined.

Ameloctonus fugitivus Viereck, Canad. Ent., 1926, 58: 65. [syn.] Mis-determined.

HYPOSOTER Foerster

Hyposoter Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Limnerium* (*Hyposoter*) *parorgyiae* Viereck.

Ischnoscopus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Ischnoscopus synchloae* Ashmead.

? *Anilastus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157.

Genotype: *Campoplex rapax* Gravenhorst.

Ameloctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157.

Genotype: *Banchus fugitivus* Say.

? *Anilasta* Thomson, Opusc. Ent., 1887, 11: 1053, 1168.

Genotype: *Campoplex rapax* Gravenhorst.

***Hyposoter affinis* (Cresson) new combination**

Mesoleptus affinis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 263. ♀ (not ♂).

[o.d., Ill. (A.N.S.P.)]

Mesoleptus affinis Provancher, Nat. Canad., 1875, 7: 271, 272. [key, Que.]

Campoplex (*Angitia*) *affinis* Viereck, Canad. Ent., 1925, 57: 227. [key]

***Hyposoter annulipes* (Cresson)**

Mesoleptus annulipes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 257. ♀. [o.d.,

Canada West (A.N.S.P.)]

Limneria annulipes Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. [Tex.]

Mesoleptus annulipes Provancher, Nat. Canad., 1875, 7: 113. [key, des., Que.]

Mesoleptus annulipes Provancher, Nat. Canad., 1875, 7: 271. [key]

Limneria annulipes Provancher, Nat. Canad., 1879, 11: 175; (Faune p. 367).

♂, ♀. [key, des.]

Limneria annulipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 85.

[key]

Limneria annulipes Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Limneria annulipes Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

Limneria annulipes Riley and Howard, Insect Life, 1890, 3: 157. [host *b c e*,

D.C., Ia., Ont.]

Limneria annulipes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.

[N.J.]

Limnerium annulipes Dalla Torre, Cat. Hymen., 1901, 3: 90. [syn.]

Angitia annulipes Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 340. [syn.]

Limneria annulipes (!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386.

[Kans.]

Campoplex annulipes Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta.,

Ont., Que.]

Campoplex (*Ischnoscopus*) *mitralis* Viereck, Canad. Ent., 1925, 57: 223. [o.d.

in key]; 1926, 58: 197. ♀. [des., Fort Norman, McKenzie River, N.W.

Terr. (C.N.C.)] New synonymy.

Campoplex (*Ischnoscopus*) *truncatellus* Viereck, Canad. Ent., 1925, 57: 223.

[o.d. in key]; 1926, 58: 197. ♀. [des., Trenton, Ont. (C.N.C.)] New

synonymy.

Campoplex (*Ameloctonus*) *confusus* Viereck, Canad. Ent., 1925, 57: 224. [o.d.

in key]; 1926, 58: 277. ♀. [des., Aylmer, Que. (C.N.C.)] New syn-

onymy.

Campoplex (*Ameloctonus*) *annulipes* Viereck, Canad. Ent., 1925, 57: 224. [key];

1926, 58: 279. [syn.]

Hyposoter annulipes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131.

[host *g*, Me.]

Hyposoter annulipes Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Hyposoter annulipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [host *b c e f h*, N.Y.]

Hyposoter annulipes Gould, Bull. W.Va. Agr. Exp. Sta., 1931, 246: 9. [host *a*, W.Va.]

Hyposoter annulipes Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *d i*, Me., Mass.]

Hyposoter annulipes Marshall and Musgrave, Canad. Ent., 1937, 69: 101. [host *j*, Ind.]

Hyposoter annulipes Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416. [host *d*, Me.]

Hyposoter annulipes Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host *a*, W.Va.]

COLEOPHORIDAE: *a*, *Coleophora malivorella*. GELECHIIDAE: *b*, *Filatima pseudo-acaciella*. PHYCITIDAE: *c*, *Mineola indiginella*. PHALAENIDAE: *d*, *Catocala antinympha*; *e*, *Ceramica picta*; *f*, *Heliothis armigera*; *g*, "*Mamestra*" sp.; *h*, *Plusia precationis*; *i*, *Pyrrhia umbra*. Miscellaneous: *j*, leaf roller on *Malus pumila*.

***Hyposoter asper* (Viereck) new combination**

Campoplex (Ameloctonus) asper Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 259. ♀. [des., Waterton Lakes, Alta. (C.N.C.)]

***Hyposoter basizona* (Viereck) new combination**

Campoplex (Angitia) basizona Viereck, Canad. Ent., 1924, 56: 67. ♂. [o.d., host *a*, Vernon, B.C. (C.N.C.)]

Campoplex (Angitia) basizona Viereck, Canad. Ent., 1925, 57: 228. [key]
Angitia basizona Walley, Canad. Ent., 1929, 61: 192. [key]

TORTRICIDAE: *a*, *Archips rosana*.

***Hyposoter degrysei* (Viereck) new combination**

Campoplex (Ameloctonus) degrysei Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 259. ♀. [des., Indian Head, Sask. (C.N.C.)]

***Hyposoter dimidiatus* (Ashmead) new combination**

Zachresta dimidiata Ashmead, Insect Life, 1894, 7: 243. ♀. [o.d., Utica, Miss. (U.S.N.M.)]

***Hyposoter disippi* (Viereck) new combination**

Campoplex (Ameloctonus) disippi Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 276. ♀. [des., host *a*, Toronto, Ont. (C.N.C.)]

NYMPHALIDAE: *a*, *Basilarchia archippus*.

***Hyposoter erythrinus* (Viereck)**

Campoplex (Hyposoter) erythrinus Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 199. ♀. [des., St. Louis, Sask. (C.N.C.)]

Hyposoter exiguae (Viereck)

Campoplex (*Hypothereutes*) *exiguae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. ♀. [o.d., host *b*, Davis, Calif. (U.S.N.M.)]

Campoplex (*Hypothereutes*) *exiguae* Viereck, Canad. Ent., 1925, 57: 204. [key]

Campoplex (*Ameloclonus*) *eurythemae* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 258. ♂, ♀. [des., host *d*, Kinisteno, Sask. (C.N.C.)] New synonymy.

Hyposoter exiguae Swezey, Jour. Econ. Ent., 1926, 19: 720. [biol., host, Hawaii]

Hyposoter exiguae Blanchard and Conger, Jour. Econ. Ent., 1932, 25: 1065. [host *c*]

Hyposoter exiguae Michelbacher & Essig, Bull. Calif. Agr. Exp. Sta., 1938, 625: 21. [fig., biol., host *a*, Calif.]

PHALAEINIDAE: *a*, *Heliothis armigera*; *b*, *Laphygma exigua*; *c*, *Prodenia praefica*.
PIERIDAE: *d*, *Colias notatus eurytheme*.

Hyposoter frigidus (Lundbeck) new combination

Limneria sp. Lundbeck, Meddel. om Grønland, 1895, 19: 110. [Greenland]

Limneria frigida Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 236. ♂, ♀. [o.d., host *a b*, Ivigtut, Sermiliarsuk, and Tassiusak, Greenland (Copenhagen Mus.)]

Limnerium frigidum Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]

Limneria frigida Nielsen, Meddel. om Grønland, 1907, 29: 386. [Greenland]

Anilasta frigida Roman, Arkiv för Zoologi, 1916, 10, no. 22: 3. [syn.]

Anilastus frigidus Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 537. [syn., Greenland]

Ailasta (!) *frigida* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 610. [des., Greenland]

PHALAEINIDAE: *a*, *Anarta* sp.; *b*, "*Hadena*" sp.

Hyposoter fugitivus fugitivus (Say)

Banchus fugitivus Say, Boston Jour. Nat. Hist., 1836, 1: 247. (Leconte Ed., 2: 701). ♂, ♀. [o.d., biol., Ind. (type destroyed)]

Campoplex fugitiva Walsh and Riley, Amer. Ent., 1868, 1: 38. [host *h*]

Campoplex fugitivus Riley, Ann. Rpt. Insects Mo., 1869, 1: 139. [host *h*]

Limneria fugitiva Riley, Ann. Rpt. Insects Mo., 1872, 4: 41. [host *b h k l*, N.Y., Vt.]

Limneria fugitiva Riley, Ann. Rpt. Insects Mo., 1873, 5: 133, 141. [host *j o*]

Limneria fugitiva Lintner, Rpt. Injurious Insects N.Y., 1885, 2: 41. [host *j*]

Limneria Guignardi Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. ♂, ♀. [key, o.d., host *g*, Ottawa, Ont. (C.N.C.)]

Limneria fugitiva Lintner, Cultivator and Country Gentleman, 1886, 51: 695. [biol., host *g t*, Md.]

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- Limneria fugitiva* Lintner, Ann. Rpt. N.Y. State Mus. Nat. Hist., 1888, 40: 90. [biol., host *g*, Md.]
- Limneria fugitiva* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1883. [key, host *q r s*, Ill., Mo., W.Va.]
- Limneria fugitiva* Atkinson, Bull. S.C. Agr. Exp. Sta., 1889, 4: 88. [biol., host *k*, parasite (misdetermined) *a*, S.C.]
- Limneria fugitiva* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Limneria fugitiva* Ashmead, Proc. U. S. Nat. Mus. 1890, 12: 430. [key]
- Limneria fugitiva* Riley and Howard, Insect Life, 1890, 3: 157. [host *b h l*, D.C., Mo.]
- Limneria oedemasiae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 436. ♂, ♀. [key, o.d., host *h*, Washington, D.C. (U.S.N.M.)]
- Limneria oedemasiae* Riley and Howard, Insect Life, 1891, 4: 207. [host *g*, Pa.]
- Limneria fugitiva* Coquillett, Insect Life, 1892, 5: 141. [host *d*, Calif.]
- Limneria fugitiva* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Limneria fugitiva* Riley, N. Amer. Fauna, 1893, 7: 248. [Calif.]
- Limneria fugitiva* Coquillett, Bull. U. S. Dept. Agr., Div. Ent., 1894, 32: 29. [host *d*, Calif.]
- Limneria Guignardi* Davis, Canad. Ent., 1895, 27: 287, 290. [syn. des.,]
- Limneria Guignardi* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Limneria fugitiva* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *g*, Mass.]
- Limneria fugitiva* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Amelctonus fugitivus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [syn.]
- Limneria fugitiva* Weed and Fiske, Bull. U. S. Dept. Agr., Div. Ent., 1900, 26: 34. [host *c*, parasite *c*]
- Limnerium fugitivum* Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]
- Limnerium oedemasiae* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]
- Limneria fugitiva* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 200, 202–206. [fig., biol., host *c*, parasite *a b c d e f g h i*, N.H.]
- Limneria fugitiva* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria guignardi* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria guignardi* Patch, Bull. Me. Agr. Exp. Sta., 1906, 134: 224. [fig., biol., host *g*, Me.]
- Limneria Guignardi* Gibson, Ann. Rpt. Ent. Soc. Ont., 1907, 37: 27. [host *g*]
- Limnerium fugitivum* Howard and Chittenden, Cir. U. S. Dept. Agr., 1909, 110: 5. [host *j*]
- Limneria guignardi* Johannsen and Patch, Bull. Me. Agr. Exp. Sta., 1911, 195: 242. [host *g*, Me.]
- Limnerium fugitivum* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 340. [syn.]
- Campoplex (Amelctonus) fugitivus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key, host *a e i n t*]
- Campoplex (Amelctonus) oedemisiae* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key, host *g*, Conn.]

- Ameloctonus fugitivus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Campoplex* (*Ameloctonus*) *oedemisiae* (!) Britton, Bull. Conn. Agr. Exp. Sta., 1918, 203: 330. [fig., biol., host g, Conn.]
- Hyposoter fugitivus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 159. [syn.]
- Hyposoter fugitivus* Cushman, Proc. Ent. Soc. Wash., 1925, 27: 164-165. [syn., des., host h]
- Horogenes guignardi* Viereck, Canad. Ent., 1925, 57: 104. [syn.]
- Campoplex* (*Hyposoter*) *oedemisiae* Viereck, Canad. Ent., 1925, 57: 204. [key]; 1926, 58: 222. [syn.]
- Campoplex* (*Ameloctonus*) *guignardi* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 279. [syn.]
- Campoplex* (*Ameloctonus*) *fugitivus* Viereck, Canad. Ent., 1925, 57: 224. [key]
- Hyposoter fugitivus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Hyposoter fugitivus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Hyposoter fugitivus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host c f g h i k l n p, New England, N.J., N.Y.]
- Hyposoter* (*Campoplex*) *fugitivus* Britton, Bull. Conn. Agr. Exp. Sta., 1937, 396: 309. [host g, Conn.]
- Hyposoter fugitivus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416. [host g, Me.]
- Hyposoter fugitivus* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Hyposoter fugitivus* Beaulne, Nat. Canad., 1939, 66: 95. [host c, Que.]
- Hyposoter fugitivus* Beaulne, Canad. Ent., 1939, 71: 120. [host c g i, Que.]

PHYCITIDAE: a, *Ephestia kuehniella*; b, *Mineola indiginella*. LASIOCAMPIDAE: c, *Malacosoma americanum*; d, *Malacosoma californicum*; e, *Malacosoma disstria*. NOTODONTIDAE: f, *Datana ministra*; g, *Schizura concinna*. ARCTIIDAE: h, *Euchaetias egle*; i, *Hyphantria cunea*. CITHERONIIDAE: j, *Anisota rubicunda*; k, *Anisota senatoria*; l, *Anisota stigma*; m, *Anisota virginienensis*. SATURNIIDAE: n, *Automeris io*; o, *Hemileuca maia*; p, *Hemileuca lucina* or *maia*. HESPERIIDAE: q, *Pholisora catullus*. NYMPHALIDAE: r, *Asterocampa celtis*; s, *Asterocampa clyton*; t, *Vanessa cardui*.

Parasites. ICHNEUMONIDAE: a, *Gelis tenellus*; b, *Iseropus coelebs*; c, *Itoplectis conquisitor*; d, *Theronia atalantae*. CHALCIDIDAE: e, *Dibrachys caryus*; f, *Elasmus varius*; g, *Habrocytus thyridopterigis*; h, *Perilampus hyalinus*; i, *Pleurotropis tarsalis*; j, *Pteromalus puparium*.

***Hyposoter fugitivus pacificus* Cushman**

Limneria fugitiva Harrington, Canad. Ent., 1897, 29: 45. [B.C.] Misdetermined.

Hyposoter fugitivus var. *pacificus* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 119. ♂, ♀. [o.d., host a c, Takoma, Wash. (U.S.N.M.), Calif.]

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Hyposoter fugitivus var. *pacificus* Essig, Insects of Western N. Amer., 1926, p. 791, 792. [fig., host *a c d*, B.C., Calif.]

Hyposoter fugitivus var. *pacificus* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *b*, Ut.]

Hyposoter fugitivus pacificus Swain, Ent. News, 1937, 48: 246, 247. [host *e*, parasite *a b*, Colo.]

Hyposoter fugitivus var. *pacificus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host *f*, Ut.]

LASIOCAMPIDAE: *a*, *Malacosoma ambisimile*; *b*, *Malacosoma disstria*; *c*, *Malacosoma pluviale*. NOTODONTIDAE: *d*, *Schizura concinna*. ARCTIIDAE: *e*, *Hyphantria cunea*. Miscellaneous: *f*, tent caterpillar.

Parasites. CHALCIDIDAE: *a*, *Dibrachys cavus*; *b*, *Perilampus hyalinus*.

***Hyposoter fuscitarsus* (Viereck) new combination**

Campoplex (*Ameloctonus*) *fuscitarsus* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 279. ♀. [des., Ottawa, Ont. (C.N.C.)]

***Hyposoter galvestonensis* (Viereck) new combination**

Amorphota galvestonensis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 219. ♀. [o.d., Galveston, Tex. (Univ. Kans.)]

Campoplex (*Ameloctonus*) *galvestonensis* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 279. [syn.]

***Hyposoter grahami* (Viereck) new combination**

Campoplex (*Holocreminus*) *grahami* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 182. ♀. [des., Queen's Park, Aylmer, Que. (C.N.C.)]

***Hyposoter luctus* (Davis) new combination**

Canidia luctus Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♀. [o.d., Mt. Washington, N.H. (A.N.S.P.)]

Canidiella lucta Dalla Torre, Cat. Hymen., 1901, 3: 110. [syn.]

Zachrestoides intermedia Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 3. ♂. [des., Bernard Harbor, N.W. Terr. (C.N.C.)] New synonymy.

Campoplex (*Bathyplectes*) *lucta* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 223. [syn.]

***Hyposoter nigrolineatus* (Viereck) new combination**

Hypotherentes nigrolineatus Viereck, Proc. U. S. Nat. Mus., 1912, 43: 590. ♀. [o.d., host *c*, Springer, N.M. (U.S.N.M.)]

Hyposoter interjectus Gahan, Proc. U. S. Nat. Mus., 1914, 48: 156. ♀. [o.d., host *b*, Arcola, Miss. (U.S.N.M.), Fla.] New synonymy.

Campoplex (*Hypotherentes*) *nigrolineatus* Viereck, Canad. Ent., 1925, 57: 204. [key]

Hyposoter interjectus Wilson, Fla. Ent., 1932, 16: 39. [host *a*, Fla.]

Hyposoter interjectus Wilson, Fla. Ent., 1933, 17: 3. [des., biol., host *a*, Fla.]

PHALAEINIDAE: *a*, *Laphygma exigua*; *b*, *Prodenia ornithogalli*; *c*, *Protoleucania albilinea*.

***Hyposoter noctuae* (Ashmead) new combination**

Limneria noctuae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 437. ♂. [key, o.d., host *a*, Washington, D.C. (U.S.N.M.)]

Limnerium noctuae Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

Hyposoter diversicolor Viereck, Proc. U. S. Nat. Mus., 1912, 43: 590. ♀. [o.d., host *b*, East River, Conn. (U.S.N.M.)] New synonymy.

Campoplex (*Hyposoter*) *diversicolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. ♀. [des.]

Campoplex (*Hyposoter*) *diversicolor* Viereck, Canad. Ent., 1925, 57: 203. [key]

PHALAEINIDAE: *a*, phalaenid pupa on *Betula lenta*. Miscellaneous: *b*, larva on hickory.

***Hyposoter occidentali* (Viereck)**

Campoplex (*Hyposoter*) *occidentali* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 219. ♀. [des., host *a*, Waterton Lakes, Alta. (C.N.C.)]

PTEROPHORIDAE: *a*, *Oidaematophorus occidentalis*.

***Hyposoter ochreofrons* (Cushman) new combination**

Echthronomas ochreofrons Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 12. ♀. [o.d., Veitch, Va. (U.S.N.M.)]

Echthronomas ochreofrons Bradley, Bull. Lloyd Libr., 1926, 27: 172. [N.Y.]

Echthronomas ochreofrons Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

Echthronomas ochreofrons Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

***Hyposoter parorgyiae* (Viereck)**

Limnerium (*Hyposoter*) *parorgyiae* Viereck, Proc. U. S. Nat. Mus., 1910, 38: 382. ♂, ♀. [o.d., fig., Mass. (U.S.N.M.)]

Campoplex (*Hyposoter*) *parorgyiae* Viereck, Canad. Ent., 1925, 57: 203. [key]

Hyposoter parorgyiae Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *a*, Mass.]

LYMANTRIIDAE: *a*, *Olene atomaria*.

***Hyposoter pectinatus* (Thomson) new combination**

Anilasta pectinata Thomson, Opusc. Ent., 1887, 11: 1171. ♀. [o.d., Esperödi, Sweden (? Lund Mus.)]

Limneria Deichmanni Nielsen, Meddel. om Grønland, 1907, 29: 386. ♂, ♀. [o.d., biol., host *a*, Hekla Havn, Greenland (? Copenhagen Mus.)]

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- Limneria Deichmanni* Johansen, Meddel. om Grønland, 1910, 43: 44, 46. [biol., host *a*, Greenland]
Limneria Deichmanni Nielsen, Meddel. om Grønland, 1910, 43: 56. [biol., host *a*, Greenland]
Limneria Deichmanni Roman, Arkiv för Zoologi, 1916, 10, no. 22: 3. [syn.]
Astiphromma Deichmanni Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 538. [syn.]
Anilasta pectinata Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 287. [des., Europe, Greenland]
 LYMANTRIIDAE: *a*, *Byrdia groenlandica*.

Hyposoter pilosulus (Provancher)

- Limneria rivalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♂ (only). [des.] Misdetermined.
Limneria pilosula Provancher, Addit. Faune Canada, Hymén., 1886, p. 89. ♂, ♀. [key, o.d., Ottawa, Ont. (C.N.C.), Que.]
Limneria ephestiae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 195. ♂, ♀. [key, o.d., host *a*, Mo. (U.S.N.M.)]
Limnerium ephestiae (!) Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]
Limnerium pilosulum Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]
Amorphota perrivalis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 307. ♂, ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)]
Limneria pilosula Nason, Ent. News, 1905, 16: 152. [Ill.]
Amorphota perrivalis Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo., Kans.]
Limnerium pilosulum Timberlake, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19: 72, 90–91. [biol., host *d*]
Limnerium pilosulum Hewitt, Rpt. Exp. Farms Canada for 1913–14, 1915, p. 861. [host *d*, N.B.]
Campoplex (Ameloctonus) pilosulus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key, Conn.]
Campoplex pilosulus Dustan, Proc. Ent. Soc. N.S., 1921, 6: 81–88. [biol., host *d*]
Campoplex (Ameloctonus) pilosulus Tothill, Bull. Canad. Dept. Agr., 1922, (n.s.), 3: 59–74. [des., fig., biol., host *d*, morphology, N.B., N.S.]
Hyposoter pilosulus Cushman, Proc. Ent. Soc. Wash., 1925, 27: 166. [syn.]
Campoplex (Hypothereutes) clarus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 224. ♀. [des., "E. Ont." (C.N.C.)] New synonymy.
Campoplex (Ameloctonus) cuneae Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 227. ♀. [des., host *d*, Trenton, Ont. (C.N.C.)] New synonymy.
Campoplex (Ameloctonus) perrivalis Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 279. [syn.]
Ameloctonus perrivalis Viereck, Canad. Ent., 1926, 58: 65. [syn.]
Angitia pilosula Viereck, Canad. Ent., 1926, 58: 65. [syn.]

- Hyposoter pilosulus* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, 43, pl. 6, figs. 43, 45, 48, 49, 50. [biol.]
- Hyposoter pilosulus* Gray, Bull. Ark. Exp. Sta., 1926, 203: 32. [host *d*, Ark.]
- Hyposoter pilosulus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Hyposoter pilosulus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Hyposoter pilosulus* Baerg, Bull. Ark. Agr. Exp. Sta., 1928, 224: 23, 24. [fig., biol., host *d*, Ark.]
- Hyposoter pilosulus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *b c d*, Conn., Me., Mass., N.H., N.J., N.Y., R.I.]
- Hyposoter pilosulus* Swain, Jour. Colo.-Wyo. Acad. Sci., 1937, 3, no. 2 & 3: 43. [biol., host *d*, Colo.]
- Hyposoter pilosulus* Swain, Ent. News, 1937, 48: 246, 247. [host *d*, parasite *a b c d e f*, Colo.]
- Hyposoter pilosulus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416. [host *d*, Me.]
- Hyposoter pilosulus* Swain, Green, and Portman, Jour. Kans. Ent. Soc., 1938, 11: 7-9. [biol., host *d*, Colo.]
- Hyposoter pilosulus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- PHYCITIDAE: *a*, ?*Plodia interpunctella*. ARCTIIDAE: *b*, *Diacrisia virginica*; *c*, *Euchaetias egle*; *d*, *Hyphantria cunea*.
- Parasites. ICHNEUMONIDAE: *a*, *Gelis atratus*; *b*, *Gelis tenellus*. CHALCIDIDAE: *c*, *Catolaccus aeneoviridis*; *d*, *Dibrachys cavus*; *e*, *Hypopteromalus percursus*; *f*, *Perilampus hyalinus*.

***Hyposoter planata* (Viereck) new combination**

- Campoplex* (*Diadegma*) *planata* Viereck, Canad. Ent., 1925, 57: 229. [o.d. in key, (Keremeos, B.C.) (C.N.C.)]
- Campoplex* (*Ecphora*) *planata* Viereck, Canad. Ent., 1926, 58: 281. ♀. [des., B.C.]

***Hyposoter plesius* (Viereck)**

- Campoplex* (*Hyposoter*) *plesius* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 201. ♀. [des., Sudbury, Ont. (C.N.C.)]

***Hyposoter popofensis* (Ashmead) new combination**

- Amelotonus popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 237. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)]
- Campoplex* (*Amelotonus*) *popofensis* Viereck, Canad. Ent., 1925, 57: 224. [key]
- Campoplex* (*Diadegma*) *ruficruris* Viereck, Canad. Ent., 1925, 57: 227. [o.d. in ket]; 1926, 58: 280. ♀. [des., Hull, Que. (C.N.C.)] New synonymy.
- Amelotonus popoffensis* (!) Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

Hyposoter rubiginosus Cushman

Hyposoter rubiginosus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 11.

♂, ♀. [o.d., host *b*, Stonington, Conn. (U.S.N.M.)]

Campoplex (Hyposoter) rubiginosus Viereck, Canad. Ent., 1925, 57: 203. [key]

Hyposoter rubiginosus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 151. [biol., host *a b*, Conn., Mass.]

LYMANTRIIDAE: *a*, *Olene atomaria*; *b*, *Olene basiflava*.

Hyposoter sarntheinii (Dalla Torre) new combination

Limneria rufa Riley and Howard, Insect Life, 1890, 3: 157. [host *a*, Ill.]
Nomen nudum.

Limneria rufa Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. ♀ (not ♂).
[key, o.d., host *a*, St. Louis, Mo. (U.S.N.M.)] Preoccupied by Bridgman, 1882.

Limnerium sarntheinii Dalla Torre, Cat. Hymen., 1901, 3: 104. [new name for *Limneria rufa* Ashmead]

Campoplex (Ameloctonus) sarntheini Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 279. [syn.]

GEOMETRIDAE: *a*, *Synchlora aerata*.

Hyposoter synchloae (Ashmead) new combination

Ischnoscopus synchloae Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, N.H.]

Ischnoscopus synchloae Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 168. ♂.
[o.d., host *a*, Canobie Lake, N.H. (U.S.N.M.)]

GEOMETRIDAE: *a*, *Synchlora* sp.

Hyposoter triops (Walley) new combination

Angitia triops Walley, Canad. Ent., 1929, 61: 191. ♂. [key, o.d., St. Thomas, Ont. (C.N.C.)]

Hyposoter xanthocerus (Viereck) new combination

Ameloctonus xanthocerus Viereck, Psyche, 1921, 28: 70. ♀. [o.d., Great Falls, Va. (M.C.Z.)]

Campoplex (Ameloctonus) xanthocerus Viereck, Canad. Ent., 1925, 57: 224. [key]

CAMPOCTONUS Viereck

Campoctonus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633.

Genotype: *Limneria corrupta* Cresson.

Campoctonoides Viereck, Canad. Ent., 1925, 57: 177. New synonymy.

Genotype: *Campoctonoides currani* Viereck.

Camptoctonus belfragei (Ashmead) new combination

Limneria Belfragei Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♂. [key, o.d., Tex. (U.S.N.M.)]

Limnerium belfragei Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Camptoctonus carinatus (Provancher) new combination

Campoplex carinatus Provancher, Nat. Canad., 1879, 11: 150; (Faune, p. 365). ♀. [key, o.d., fig., Que. (M.P.Q.)]

Campoplegidea carinata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 262. [key]

Camptoctonoides beaulnei Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 296. ♂, ♀. [des., Ft. Coulonge, Que. (C.N.C.), Alta.] New synonymy.

Camptoctonoides harringtoni Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 297. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

Camptoctonus corruptus (Cresson)

Limneria corrupta Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Limneria corrupta Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

Limnerium corruptum Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

Camptoctonus corruptus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633. [syn.]

Camptoctonus currani (Viereck) new combination

Camptoctonoides currani Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 296. ♂, ♀. [des., Sebright, Ont. (C.N.C.), Que.]

OLESICAMPE Foerster

Limneria Holmgren, Öfvers. Vet.-Akad. Förh., 1859, 15: 326. Preoccupied by Adams, 1851.

Genotype: *Ichneumon longipes* Müller.

Olesicampe Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153.

Genotype: *Ichneumon fulviventris* Gmelin.

Omoborus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154. New synonymy.

Genotype: *Omoborus kincaidi* Davis.

? *Holocremnus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157. New synonymy.

Genotype: *Limneria cothurnata* Holmgren.

Olesicampa Thomson, Opusc. Ent., 1887, 11: 1052, 1139.

Genotype: *Ichneumon longipes* Müller.

? *Holocremna* Thomson, Opusc. Ent., 1887, 11: 1053, 1176.

Genotype: *Limneria cothurnata* Holmgren.

Limnerium Ashmead, Canad. Ent., 1900, 32: 368. [new name for *Limneria* Holmgren]

Zaplatystoma Viereck, Canad. Ent., 1925, 57: 177, 180; 1926, 58: 6. New synonymy.

Genotype: *Zaplatystoma typicum* Viereck.

Olesicampe alaskensis (Ashmead) new combination

Olesicampa alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 235. ♂.
[o.d., Juneau, Alaska (U.S.N.M.)]

Campoplex (*Holocreminus*) *alaskensis* Viereck, Canad. Ent., 1925, 57: 203.
[key]; 1926, 58: 196. [syn.]

Olesicampe annulata (Provancher) new combination

Pyracmon annulatum Provancher, Nat. Canad., 1879, 11: 182; (Faune, p. 374).
♀. [key, o.d., Que. (M.P.Q.)]

Tryphon? *annulatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Tryphon annulatum Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Zaplatystoma annulatum Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926,
58: 32. [syn.]

Olesicampe atypica (Viereck) new combination

Pyracmonoides atypicum Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key];
57: 300. ♂. [des., Metlakatla, B.C. (C.N.C.)]

Olesicampe banffensis (Viereck) new combination

Campoplex (*Ameloctonus*) *banffensis* Viereck, Canad. Ent., 1925, 57: 224.
[o.d. in key]; 1926, 58: 278. ♀. [des., Banff, Alta. (C.N.C.)]

Campoplex (*Ameloctonus*) *pauxillus* Viereck, Canad. Ent., 1925, 57: 224. [o.d.
in key]; 1926, 58: 278. ♀. [des., Transcona, Man. (C.N.C.)] New
synonymy.

Olesicampe barbata (Provancher) new combination

Mesoleptus barbatus Provancher, Addit. Faune Canada, Hymén., 1886. p.
98. ♀. [key, o.d., Bécancour, Que. (M.P.Q.)]

Mesoleptus barbatus Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Limneria barbatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Limnerium barbatum Dalla Torre, Cat. Hymén., 1901, 3: 91. [syn.]

Campoplex (*Holocreminus*) *metacomet* Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 264. (♀). [o.d., New Haven, Conn. (Conn. Agr. Exp.
Sta.)] New synonymy.

Pyracmon barbatum Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 6.
[syn.]

Zaplatystoma metacometi (!) Viereck, Canad. Ent., 1925, 57: 181. [key]; 1926,
58: 196. [syn.]

Olesicampe beginii (Ashmead)

Prionopoda beginii Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♀.
[o.d., Sherbrooke, Que. (U.S.N.M.)]

Prionopoda? beginii Davis, Trans. Amer. Ent. Soc., 1897, 24: 253. ♂. [des.]

Olesicampe beginii Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20.
[syn.]

Olesicampe brachyura (Ashmead) new combination

Limneria brachyura Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♀. [key,
o.d., Mich. (U.S.N.M.)]

Limnerium brachyurum Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Olesicampe californica (Cresson) new combination

Limneria californica Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 369. ♂.
[o.d., San Diego, Calif. (A.N.S.P.)]

Limnerium californicum Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Olesicampe cushmani (Viereck) new combination

Campoplex (Ameloctonus) diversus Viereck, Canad. Ent., 1925, 57: 224. [o.d.
in key]; 1926, 58: 277. ♀. [Sudbury, Ont. (C.N.C.)] Preoccupied by
Norton, 1863.

Campoplex (Ameloctonus) cushmani Viereck, Canad. Ent., 1926, 58: 279. [new
name for *Campoplex (Ameloctonus) diversus* Viereck]

Olesicampe decora (Viereck) new combination

Zaplatystoma decorum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];
1926, 58: 31. ♀. [des., Hedley, B.C. (C.N.C.)]

Olesicampe delicata (Viereck) new combination

Campoplex (Ameloctonus) delicatus Viereck, Canad. Ent., 1925, 57: 224. [o.d.
in key]; 1926, 58: 278. ♀. [des., Sudbury, Ont. (C.N.C.)]

Olesicampe dentata (Provancher) new combination

Macrus dentatus Provancher, Nat. Canad., 1874, 6: 150. ♀. [o.d., Que.
(M.P.Q.)]

Limneria ruficornis Provancher, Nat. Canad., 1875, 7: 147, 149. ♀. [key,
o.d., Que. (type lost)]

Limneria dentata Provancher, Nat. Canad., 1879, 11: 181; (Faune p. 373). ♀.
[key, syn., des.]

Limneria dentata Provancher, Addit. Faune Canada, Hymén., 1886, p. 86.
[key]

Limnerium dentatum Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

Limneria dentata Nason, Ent. News, 1905, 16: 152. [Ill.]

Olesicampe egregia (Viereck) new combination

Zaplatystoma egregium Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];
1926, 58: 30. ♀. [des., Sudbury, Ont. (C.N.C.)]

Olesicampe extrema (Holmgren) new combination

Limneria extrema Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6:
98. ♀. [o.d., North Greenland (? Stockholm Mus.)]

Limneria extrema Lundbeck, Vidensk. Medd. Nat. For. København, (1896),
1897, p. 236. [Greenland]

Limneria extrema Strand, Rpt. Second Norwegian Arctic Exped. in the "Fram"
1898-1902, 1905, no. 3: 7. [Greenland]

Holocrema extrema Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 287. [des.,
Greenland]

Olesicampe euurae (Ashmead) new combination

Limneria euurae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 433. ♂, ♀.
[key, o.d., host *a*, Pariah, Ut. (U.S.N.M.)]

Limnerium euurae Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Campoplex (*Angitia*) *euurae* Viereck, Canad. Ent., 1925, 57: 228. [key]; 1926,
58: 282. [syn.]

TENTHREDINIDAE: *a*, *Euura* sp. on *Salix* sp.

Olesicampe flavirictus (Cresson) new combination

Mesoleptus flavirictus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 263. ♀.
[o.d., Pa. (A.N.S.P.)]

Mesoleptus flavirictus Provancher, Nat. Canad., 1875, 7: 114. [key, des., Que.]

Mesoleptus flavirictus Provancher, Nat. Canad., 1875, 7: 272. [key]

Limneria flaviricta Provancher, Nat. Canad., 1879, 11: 180; (Faune p. 372).
[key, des.]

Limneria flaviricta Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Limneria flaviricta Provancher, Addit. Faune Canada, Hymén., 1886, p. 86.
[key]

Limneria flaviricta Slosson, Ent. News, 1895, 6: 5. [N.H.]

? *Limneria argentifrons* Harrington, Canad. Ent., 1897, 29: 45. [B.C.] ?Mis-
determined.

Limneria flaviricta Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.
[N.J.]

Limnerium flavirictum Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limneria flavirista (!) Nason, Ent. News, 1905, 16: 152. [Ill.]

Zaplatystoma cinereum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];
1926, 58: 7. ♀. [des., Buffalo, N.Y. (C.N.C.)] New synonymy.

Olesicampe fossata (Viereck) new combination

Pyracmon fossatum Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 6. ♂. [des., Sudbury, Ont. (C.N.C.)]

Olesicampe johnsoni (Viereck) new combination

Zaplatystoma johnsoni Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 32. ♀. [des., Glen House, N.H. (?M.C.Z.)]

Olesicampe kincaidi (Davis) new combination

Omoborus kincaidi Davis, Trans. Amer. Ent. Soc., 1898, 24: 363. ♂. [o.d., Seattle, Wash. (A.N.S.P.)]

Olesicampe lata (Viereck) new combination

Zaplatystoma latum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 7. ♂. [des., Winnipeg, Man. (C.N.C.)]

Zaplatystoma simplex Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 30. ♀. [des., Banff, Alta. (C.N.C.)] New synonymy.

Olesicampe lophyri (Riley) new combination

Limneria lophyri Riley, Ann. Rpt. Insects Mo., 1877, 9: 32. ♂, ♀. [o.d., host *a b*, (Valparaiso, Ind.) (U.S.N.M.)]

Limneria lophyri Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

Limneria lophyri Riley and Howard, Insect Life, 1890, 3: 158. [host *b*, Ind.]

Limnerium lophyri Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

Campoplex (Holocretnus) lophyri Viereck, Canad. Ent., 1926, 58: 196. [syn.]

Holocretnus lophyri Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Que.]

PHYCITIDAE: *a*, ?*Plodia interpunctella*. DIPRIONIDAE: *b*, *Neodiprion abbotii*.

Olesicampe mimetica (Viereck) new combination

Zaplatystoma mimeticum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 31. ♀. [des., Banff, Alta. (C.N.C.)]

Olesicampe modesta (Brues) new combination

Diocetes modestus Brues, Rpt. Canad. Arctic Exped. 1913-18, 1919, 3, pt. G: 23. ♂, ♀. [o.d., host *a*, Bernard Harbor, N.W. Terr. (C.N.C.)]

Miscellaneous: *a*, galls on *Salix* sp. made by ?sawflies.

Olesicampe nematicida (Viereck) new combination

Campoplex (Ameloctonus) nematicidus Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 258. ♀. [des., host *a*, Hatzic, B.C. (C.N.C.)]

Miscellaneous: *a* sawfly on *Ribes* sp.

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Olesicampe nigradorsis (Viereck) new combination

Campoplex (Amelotonus) nigradorsis Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 277. ♀. [des., Prince Edward Co., Ont. (C.N.C.)]

Olesicampe obscuripes (Viereck) new combination

Limnerium obscuripes Viereck, Trans. Amer. Ent. Soc., 1903, 29: 91. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

Olesicampe ocellata (Viereck) new combination

Zaplatystoma ocellatum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 8. ♂. [des., Ottawa, Ont. (C.N.C.)]

Olesicampe patula (Viereck) new combination

Pyracmon patulum Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 5. ♀. [des., Winnipeg, Man. (C.N.C.)]

Olesicampe peraffinis (Ashmead) new combination

Limneria peraffinis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♀. [key, o.d., Tex. (U.S.N.M.)]

Limnerium peraffine Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

Olesicampe petiolata (Viereck) new combination

Zaplatystoma petiolatum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 31. ♂. [des., Sudbury, Ont. (C.N.C.)]

Olesicampe pikonemae Walley

Olesicampe pikonemae Walley, Canad. Ent., 1942, 74: 193. ♂, ♀. [o.d., host *a b*, Queene Co., Que. (C.N.C.), B.C., N.B., Ont.]

TENTHREDINIDAE: *a*, *Pikonema alaskensis*; *b*, *Pikonema dimmockii*.

Olesicampe pteronideae (Rohwer)

Homalomma pteronideae Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 219. ♂. [o.d., host *b*, Falls Church, Va. (U.S.N.M.)]

Olesicampe pteronideae Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20. [syn.]

Homalomma pteronideae Middleton, Proc. U. S. Nat. Mus., 1922, 61, art. 21: 23. [host *a*, Va.]

TENTHREDINIDAE: *a*, *Nematus alnivora*; *b*, *Nematus corylus*.

Olesicampe sericea (Provancher) new combination

Limneria sericea Provancher, Nat. Canad., 1875, 7: 148, 149. ♂. [key, o.d., Que. (type lost)]

Limneria sericea Provancher, Nat. Canad., 1879, 11: 181; (Faune p. 373).
[key, des.]

Limneria sericea Provancher, Addit. Faune Canada, Hymén., 1886, p. 87.
[key]

Limnerium sericeum Dalla Torre, Cat. Hymen., 1901, 3: 104. [syn.]

Holocreminus flaviclypeus Viereck, Psyche, 1921, 28: 75. ♂. [o.d., Chain
Bridge, Va. (M.C.Z.)] New synonymy.

Pyracmon sericeum Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 6.
[syn.]

Olesicampe typica (Viereck) new combination

Zaplatystoma typicum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];
1926, 58: 7. ♂, ♀. [des., Kingsmere, Que. (C.N.C.)]

Olesicampe virginienensis (Viereck) new combination

Holocreminus virginienensis Viereck, Psyche, 1921, 28: 76. ♀. [o.d., Falls
Church, Va. (M.C.Z.)]

BENJAMINIA Viereck

Benjaminia Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633.

Genotype: *Charops fuscipennis* Provancher.

Zachrestoides Viereck, Canad. Ent., 1925, 57: 177, 179; 1926, 58: 2.

Genotype: *Zachrestoides euphydryadis* Viereck.

Benjaminia fuscipennis (Provancher)

Charops fuscipennis Provancher, Addit. Faune Canada, Hymén., 1888, p. 365.

♀. [o.d., host *a*, Los Angeles, Calif. (M.P.Q.)]

Benjaminia fuscipennis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633. [syn.]

Benjaminia fuscipennis Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14:
16. ♂, ♀. [des., host *a*, Calif., Nev.]

NYMPHALIDAE: *a*, *Euphydryas chalcodon*.

Benjaminia euphydryadis (Viereck)

Zachrestoides euphydryadis Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key];
1926, 58: 3. ♀. [des., host *a*; St. Adele, Que. (C.N.C.)]

Benjaminia euphydryadis Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14:
16. [des., host *a*, Mass.]

Benjaminia euphydryadis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,
1934, 188: 152. [biol., host *a b*, Mass.]

NYMPHALIDAE: *a*, *Euphydryas phaeton*; *b*, *Melitaea harrisii*.

CHAROPSIMORPHA Viereck

Charopsimorpha Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635.

Genotype: *Charops tibialis* Cresson.

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Charopsimorpha tibialis (Cresson)

Charops tibialis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Limneria? insolens Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 386. ♂, ♀. [o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy.

Charops tibialis Riley and Howard, Insect Life, 1890, 3: 155. [host *a*]

Charops apaturae Riley and Howard, Insect Life, 1890, 3: 155. [host *b*, Ill.]
Nomen nudum.

Charops apaturae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. [o.d., host *b*, Fairburg, Ill. (U.S.N.M.)]

Limnerium insolens (!) Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

Charopsimorpha tibialis apaturae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635. [syn.]

Charopsimorpha tibialis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635. [syn.]

TORTRICIDAE: *a*, ?tortricid. NYMPHALIDAE: *b*, *Asterocampa clyton*.

Subfamily 11. OPHIONINAE

Tribe 2. CREMASTINI

DIMOPHORA Foerster

Dimophora Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 155.

Genotype: *Dimophora robusta* Brischke.

Demophorus Thomson, Opusc. Ent., 1890, 14: 1457.

Genotype: (*Demophorus arenicola* Thomson) = *robusta* Brischke.

Oligotmema Cushman, Proc. U. S. Nat. Mus., 1920, 58: 280.

Genotype: *Oligotmema prima* Cushman.

Dimophora prima (Cushman) new combination

Oligotmema prima Cushman, Proc. U. S. Nat. Mus., 1920, 58: 281. ♀. [o.d., fig., Colo. (U.S.N.M.)]

Demophorus primus Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 22.
♂, ♀. [des., Colo.]

PRISTOMERUS CurtisSubgenus **Pristomerus** Curtis

Pristomerus Curtis, Brit. Ent., 1836, 13: 624.

Genotype: *Ichneumon vulnerator* Panzer.

Pristomeridia Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 100.

Genotype: (*Porizon agilis* Cresson) = *euryptychiae* Ashmead.

Pristomerus (Pristomerus) baumhoferi Cushman

Pristomerus sp. Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331. [host *a*, Neb.]

Pristomerus baumhoferi Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 9.

♂, ♀. [o.d., host *a*, Halsey, Neb. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Rhyacionia frustrana bushnelli*.

Pristomerus (Pristomerus) euryptychiae Ashmead

Porizon? agilis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 175. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)] Preoccupied by Holmgren, 1858.

Pristomerus euryptychiae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 192.

[o.d., host *d*, D.C. (U.S.N.M.)]

Pristomeridia agilis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 100. [syn.]

Pristomerus euryptychiae Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.J.]

Pristomeridia agilis Brooks, Bull. W.Va. Agr. Exp. Sta., 1910, 126: 116. [W.Va.]

Pristomerus euryptychiae Brues, Psyche, 1911, 18: 23. [key, fig.]

Ichneumonidae sp. Franklin and Morse, Bull. Mass. Agr. Exp. Sta., 1914, 150: 56. [biol., host *b*, Mass.]

Pristomeridia agilis Franklin, Bull. Mass. Agr. Exp. Sta., 1915, 160: 109. [biol., host *b*, Mass.]

Pristomeridia agilis Franklin, Bull. Mass. Agr. Exp. Sta., 1916, 168: 39–40. [biol., host *b*, Mass.]

Pristomeridia agilis Franklin, Bull. Mass. Agr. Exp. Sta., 1917, 180: 229. [biol., host *b*, Mass.]

Pristomerus (Pristomerus) agilis Cushman, Proc. U. S. Nat. Mus., 1920, 58: 278. [key, syn., des., host *a*, Md., Mass., Tex.]

Pristomerus agilis Butler, Jour. Econ. Ent., 1933, 26: 985. [host *e*, Tenn.]

Pristomerus agilis Webb, Jour. Econ. Ent., 1937, 30: 861. [host *c*, Ga.]

Pristomerus agilis Webb and Alden, Jour. Econ. Ent., 1940, 33: 434. [host *c*]

Pristomerus agilis Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

PHYCITIDAE: *a*, *Acrobasis caryivorella*; *b*, *Mineola vaccinii*. OLETHREUTIDAE: *c*, *Carpocapsa pomonella*; *d*, *Epiblema scudderiana*; *e*, *Grapholitha molesta*.

Pristomerus (Pristomerus) laticeps Cushman

Pristomerus (Pristomerus) laticeps Cushman, Proc. U. S. Nat. Mus., 1920, 58: 277. ♀. [key, o.d., Falls Church, Va. (U.S.N.M.)]

Pristomerus (Pristomerus) ideii Viereck, Canad. Ent., 1925, 57: 74. ♀. [o.d., Black Rapids, Rideau River, Ont. (C.N.C.)] New synonymy.

Pristomerus (Pristomerus) minutus Cushman

Pristomerus (Pristomerus) minutus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 279. ♀. [key, o.d., Los Angeles Co., Calif. (U.S.N.M.)]

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Pristomerus (Pristomerus) ocellatus Cushman

- Pristomerus (Pristomerus) ocellatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 277. ♂, ♀. [key, o.d., Pyziton, Ala. (U.S.N.M.), Kans., Ky., Md., Pa.]
- Pristomerus ocellatus* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *d*, N.J.]
- Pristomerus ocellatus* Allen and Lott, Proc. Ent. Soc. Wash., 1930, 32: 136. [host *c d*, Ind., N.J., Ohio, Pa.]
- Pristomerus ocellatus* Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 17. [biol., host *d*, N.J.]
- Pristomerus ocellatus* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *d*, Ohio]
- Pristomerus ocellatus* Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *d*, N.J.]
- Pristomerus ocellatus* Driggers, Ann. Rpt. N.J. Agr. Exp. Sta., 1931, 51: 158. [host *d*, N.J.]
- Pristomerus ocellatus* Butler, Proc. Ann. Conv. Tenn. Hort. Soc., 1931, 27: 75, 79. [host *d*, Tenn.]
- Pristomerus ocellatus* McConnell, Jour. Econ. Ent., 1932, 25: 268. [host *d*, Md.]
- Pristomerus ocellatus* Driggers, Jour. N.Y. Ent. Soc., 1932, 40: 492. [host *d*, N.J.]
- Pristomerus ocellatus* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17. [host *d*, N.Y.]
- Pristomerus ocellatus* Allen, Jour. Econ. Ent., 1932, 25: 365. [host *d*, Ga.]
- Pristomerus ocellatus* Butler, Jour. Econ. Ent., 1933, 26: 986. [Tenn.]
- Pristomerus ocellatus* Montgomery, Canad. Ent., 1933, 65: 189. [host *c*, Ind.]
- Pristomerus ocellatus* Neiswander and Vogel, Bull. Ohio Agr. Exp. Sta., 1933, 516: 52. [host *d*, Ohio]
- Pristomerus ocellatus* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *d*, Tenn.]
- Pristomerus ocellatus* Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *d*, Mich.]
- Pristomerus ocellatus* Pepper and Driggers, Ann. Ent. Soc. Amer., 1934, 27: 596. [biol., host *c*, N.J.]
- Pristomerus ocellatus* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441. [host *d*, Md.]
- Pristomerus ocellatus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *d*, Ont.]
- Pristomerus ocellatus* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 12-41. [fig., biol., host *c d*, Del.]
- Pristomerus oscellatus* (!) Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 25, 27. [host *a c d*, Ohio]
- Pristomerus ocellatus* Rice, Jour. Econ. Ent., 1937, 30: 112. [biol., host *c*, Del.]
- Pristomerus ocellatus* Marshall and Musgrave, Canad. Ent., 1937, 69: 102. [host *b*, Ind.]
- Pristomerus ocellatus* Brimley, Insects of N.C., 1938, p. 416. [N.C.]
- Pristomerus ocellatus* Bobb, Jour. Econ. Ent., 1939, 32: 606. [host *d*, Va.]
- Pristomerus ocellatus* Brunson, Jour. Econ. Ent., 1940, 33: 348. [host *d*, N.J.]

Pristomerus ocellatus Allen, Holloway, and Haeussler, Cir. U. S. Dept. Agr., 1940, 561: 12, 58. [biol., host *c d*, N.J., Tenn.]

Pristomerus ocellatus Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *d*, Del.]

OLETHREUTIDAE: a, *Ancylys complana*; b, *Epiblema otiosana*; c, *Epiblema strenuana*; d, *Grapholitha molesta*.

***Pristomerus* (*Pristomerus*) *olamonus* Viereck**

Pristomerus aciculatus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.Y.] Nomen nudum.

Pristomerus olamonus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 274. ♀. [o.d., Rockville, Conn. (Conn. Agr. Exp. Sta.)]

Pristomerus (*Pristomerus*) *fuscipennis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 275. ♂, ♀. [key, o.d., Onaga, Kans. (U.S.N.M.), D.C., N.Y.] New synonymy.

Pristomerus (*Pristomerus*) *olamonus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 276. [key, des.]

Pristomeridea fuscipennis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

Pristomerus fuscipennis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Subgenus ***Neopristomerus* Viereck**

Neopristomerus Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592.

Genotype: *Pristomerus appalachianus* Viereck.

***Pristomerus* (*Neopristomerus*) *appalachianus* Viereck**

Pristomerus appalachianus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 298. ♂, ♀. [o.d., Norton Co., Kans., 3200 ft. and Sedgwick Co. near Wichita, Kans. (Univ. Kans.)]

Pristomerus appalachianus var. *dorsocastaneus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 299. ♂, ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

Pristomerus texanus Sanderson, Bull. U. S. Dept. Agr., Div. Ent., 1906, 56: 36. [host *b*] Nomen nudum.

Pristomerus appalachianus Brues, Psyche, 1911, 18: 23. [key]

Neopristomerus appalachianus Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592. [syn.]

Neopristomerus appalachianus var. *dorsocastaneus* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 593. [host *c*]

Pristomerus (*Neopristomerus*) *appalachianus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 280. [key, syn., host *a b c d*, Kans., La., N.M., Okla., Tex.]

Neopristomerus appalachianus var. *dorsocastaneus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta.]

Neopristomerus appalachianus Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139.
[host *b c d*, Tex.]

Neopristomerus appalachianus Luginbill, Tech. Bull. U. S. Dept. Agr., 1928,
34: 65. [biol., host *c*, Tex.]

Neopristomerus appalachianus Vickery, Tech. Bull. U. S. Dept. Agr., 1929, 138:
39. [biol., host *b c*, Tex.]

Neopristomerus appalachianus dorsocastaneus Johnson, Pub. Nantucket Maria
Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

Neopristomerus dorsocastaneus Knowlton and Harmston, Proc. Ut. Acad. Sci.
Arts Letters, 1939, 16: 62. [Ut.]

Pristomerus appalachianus var. *dorsocastaneus* Knowlton and Harmston, Proc.
Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

PYRAUSTIDAE: *a*, *Loxostege* sp. PHALAENIDAE: *b*, *Laphygma exigua*; *c*, *Laphygma*
frugiperda; *d*, *Prodenia* sp.

***Pristomerus* (*Neopristomerus*) *coloradensis* Brues**

Pristomerus coloradensis Brues, Psyche, 1911, 18: 23. ♀. [key, o.d., fig.,
Florissant, Colo. (Brues Coll.)]

Pristomerus (*Neopristomerus*) *coloradensis* Cushman, Proc. U. S. Nat. Mus.,
1920, 58: 274. [key]

***Pristomerus* (*Neopristomerus*) *melleus* Cushman**

Pristomerus (*Neopristomerus*) *melleus* Cushman, Proc. U. S. Nat. Mus., 1920,
58: 279. ♂, ♀. [key, o.d., host *a b*, Washington, D.C. (U.S.N.M.), N.C.,
S.C.]

Pristomerus Bollowi Enderlein, Ent. Ztschr., 1921, 82: 9. ♂. [o.d., "New
York" (Stettin Mus.)] New synonymy.

GELECHIIDAE: *a*, "*Gelechia*" sp. PHYCITIDAE: *b*, *Elasmopalpus lignosellus*.

***Pristomerus* (*Neopristomerus*) *pacificus* Cresson**

Pristomerus pacificus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 370. ♀.
[o.d., Calif. (A.N.S.P.)]

Pristomerus pacificus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Pristomerus pacificus Brues, Psyche, 1911, 18: 23. [key, fig.]

Pristomerus (*Neopristomerus*) *pacificus* Cushman, Proc. U. S. Nat. Mus., 1920,
58: 274. [key]

***Pristomerus* (*Neopristomerus*) *woodworthi* (Viereck) new combination**

Neopristomerus woodworthi Viereck, Ent. News, 1921, 32: 172. ♂, ♀. [o.d.,
Berkeley, Calif. (Calif. Acad. Sci.)]

ZALEPTOPYGUS Viereck

Zaleptopygus Viereck, Proc. U. S. Nat. Mus., 1911, 41: 294.

Genotype: (*Zaleptopygus oberea* Viereck) = *orbis* Davis.

Neocremastus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 504, 509. New synonymy.

Genotype: *Porizon stigmaterus* Cresson.

Zaleptopygus aciculatus (Davis)

Cremastus aciculatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♂. [o.d., Mich. (A.N.S.P.)]

Cremastus aciculatus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 548. [des.]

Cremastus (Zaleptopygus) aciculatus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 283. [des.]

Zaleptopygus albipennis (Cresson)

Porizon albipennis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 287. ♀. [o.d., Colo. (A.N.S.P.)]

Porizon albipennis Cushman, Proc. U. S. Nat. Mus., 1917, 53: 548. [des.]

Cremastus (Zaleptopygus) albipennis Cushman, Proc. U. S. Nat. Mus., 1920, 58: 283. [des.]

Zaleptopygus anomalus (Cushman)

Cremastus (Zaleptopygus) anomalus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 542. ♀. [key, o.d., Colo. (U.S.N.M.)]

Zaleptopygus audax (Cresson)

Porizon audax Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂. [o.d., Tex. (A.N.S.P.)]

Cremastus audax Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 338. [des.]

Cremastus (Zaleptopygus) audax Cushman, Proc. U. S. Nat. Mus., 1917, 53: 543. ♂. [key, des.]

Zaleptopygus bilineatus (Cushman)

Cremastus (Zaleptopygus) bilineatus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 545. ♂, ♀. [key, o.d., Clementon, N.J. (U.S.N.M.)]

Zaleptopygus brunneipennis (Walley)

Cremastus (Zaleptopygus) brunneipennis Walley, Canad. Ent., 1933, 65: 253. ♂, ♀. [o.d., Chatham, Ont. (C.N.C.)]

Zaleptopygus californicus (Provancher) new combination

Porizon Californicum Provancher, Addit. Faune Canada, Hymén., 1888, p. 364.

♂. [o.d., host a, Los Angeles, Calif. (M.P.Q.)]

TINEIDAE: a, tineid.

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Zaleptopygus champlaini (Cushman)

Cremastus (*Zaleptopygus*) *champlaini* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 22. ♂, ♀. [o.d., host *a*, Rockville, Pa. (U.S.N.M.)]

CERAMBYCIDAE: *a*, *Elaphidion* sp.

Zaleptopygus cleridivorus (Cushman)

Cremastus (*Zaleptopygus*) *cleridivorus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 534. ♀. [key, o.d., host *a*, Kanawha Station, W.Va. (U.S.N.M.), Kans., N.C.]

Zaleptopygus cleridivorus Brimley, Insects of N.C., 1938, p. 416. [N.C.]

CLERIDAE: *a*, *Enoclerus quadriguttatus*.

Zaleptopygus delicatus (Cresson)

Porizon? *delicatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 176. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Cremastus delicatus Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]

Cremastus (*Zaleptopygus*) *delicatus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 537. ♂. [key, des.]

Porizon delicatus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

Zaleptopygus dorcaschetae (Cushman)

Cremastus (*Zaleptopygus*) *dorcaschetae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 287. ♂, ♀. [o.d., host *a*, ?Syracuse, N.Y. (U.S.N.M.)]

Cremastus dorcaschetae Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1924, 17: 182. [biol., host *a*, N.Y.]

CERAMBYCIDAE: *a*, *Dorcascheta nigrum*.

Zaleptopygus egregiacolor (Viereck) new combination

Thersilochus egregiacolor Viereck, Trans. Kans. Acad. Sci., 1905, 19: 302. ♀. [o.d., Morton Co., Kans., 3200 ft. (Univ. Kans.)]

Cremastus (*Zaleptopygus*) *terebratus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 539. ♀. [key, o.d., Boulder, Colo. (U.S.N.M.)] New synonymy.

Zaleptopygus flavo-orbitalis (Cameron) new combination

Tarytia flavo-orbitalis Cameron, Jour. Bombay Nat. Hist. Soc., 1907, 17, no. 3: 589. ♀. [o.d., Dusa, India (?British Mus.)]

Cremastus flavoorbitalis Cushman, Proc. Ent. Soc. Wash., 1933, 35: 73. [key, syn., des., Australian and Oriental regions, Hawaii, Japan]

Cremastus flavoorbitalis Bradley and Burgess, Tech. Bull. U. S. Dept. Agr., 1934, 441: 1-15. [des., fig., biol., host *a b*, Hawaii, Mass., Ohio, Orient, R.I.]

Cremastus flavo-orbitalis Peck, Canad. Jour. Res., 1937, D, 15: 245-247. [fig. ♂ genitalia]

Cremastus flavoorbitalis Baker and Bradley, Jour. Econ. Ent., 1938, 31: 346.
[host *a*, Mass., Va.]

Cremastus flavoorbitalis Jones, Walker, and Anderson, Bull. Va. Truck Exp. Sta.,
1939, 102: 1645. [host *a*, Va.]

PYRAUSTIDAE: *a*, *Pyrausta nubilalis*. Miscellaneous: *b*, many exotic Lepidoptera.

***Zaleptopygus fuscipennis* (Cresson)**

Porizon fuscipennis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 287. ♀. [o.d.,
Colo. (A.N.S.P.)]

Cremastus (Zaleptopygus) fuscipennis Cushman, Proc. U. S. Nat. Mus., 1917,
53: 543. [key, Kans.]

***Zaleptopygus gallaecola* (Cushman)**

Cremastus (Zaleptopygus) gallaecola Cushman, Proc. U. S. Nat. Mus., 1917,
53: 546. ♂, ♀. [key, o.d., host *a*, East Falls Church, Va. (U.S.N.M.)]

GELECHIIDAE: *a*, *Gnorimoschema gallaesolidaginis*.

***Zaleptopygus granulatus* (Davis)**

Cremastus granulatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 365. ♂, ♀.
[o.d., Agricultural College, Mich. (A.N.S.P.)]

Cremastus granulatus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 549. [des.]

Cremastus (Zaleptopygus) granulatus Cushman, Proc. U. S. Nat. Mus., 1920,
58: 284. [des., type designation]

***Zaleptopygus hartii* (Ashmead)**

Cremastus hartii Ashmead, Bull. Ill. Lab. Nat. Hist., 1895, 4: 271, 277. ♂, ♀.
[o.d., fig., Quiver Lake, Havana, Ill. (Ill. Nat. Hist. Surv.)]

Cremastus hartii Nason, Ent. News, 1905, 16: 168. [Ill.]

Cremastus hartii Cushman, Proc. U. S. Nat. Mus., 1917, 53: 549. [des.]

Cremastus hartii Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Cremastus (Zaleptopygus) hartii, Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,
1928, 101: 958. [N.Y.]

Cremastus (Zaleptopygus) hartii Cushman, Proc. U. S. Nat. Mus., 1930, 76,
art. 25: 11. ♂, ♀. [des.]

***Zaleptopygus hyalinipennis* (Cresson)**

Porizon hyalinipennis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂, ♀.
[o.d., Bosque Co., Tex. (A.N.S.P.)]

Porizon hyalinipennis Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Cremastus hyalinipennis Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339.
[Tex.]

Cremastus (Zaleptopygus) hyalinipennis Cushman, Proc. U. S. Nat. Mus., 1917,
53: 546. [key]

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Zaleptopygus incompletus (Provancher)

Mesoleptus incompletus Provancher, Nat. Canad., 1875, 7: 270, 272. ♂, ♀.
[key, o.d., Que. (M.P.Q.)]

Atractodes fusiformis Provancher, Nat. Canad., 1875, 7: 332, 333. ♀. [key,
o.d., Que. (M.P.Q.)]

Cremastus fusiformis Provancher, Nat. Canad., 1879, 11: 184; (Faune p. 376).
♀. [key, syn., des.]

Cremastus fusiformis Provancher, Nat. Canad., 1882, 13: 366; (Faune p. 788).
[key]

Cremastus (Zaleptopygus) incompletus Cushman, Proc. U. S. Nat. Mus., 1917,
53: 540. [key, syn., des.]

Cremastus (Zaleptopygus) incompletus Cushman, Mem. Cornell Univ. Agr. Exp.
Sta., 1928, 101: 958. [N.Y.]

Zaleptopygus incompletus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,
3, no. 2: 106. [Mass.]

Cremastus incompletus Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 249, 250.
[fig. ♂ genitalia]

Zaleptopygus incompletus Brimley, Insects of N.C., 1938, p. 416. [N.C.]

Zaleptopygus latithorax (Cushman)

Cremastus (Zaleptopygus) latithorax Cushman, Proc. U. S. Nat. Mus., 1920,
58: 286. ♀. [o.d., Sabinal, Tex. (U.S.N.M.)]

Zaleptopygus mellipes (Provancher) new combination

Atractodes mellipes Provancher, Nat. Canad., 1875, 7: 332, 333. ♀. [key,
o.d., Que. (M.P.Q.)]

Cremastus mellipes Provancher, Nat. Canad., 1879, 11: 185; (Faune p. 377).
♀. [key, des.]

Cremastus mellipes Provancher, Nat. Canad., 1882, 13: 366; (Faune p. 788).
[key]

Cremastus mellipes Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, Mich.,
Mo.]

Limneria mellipes Davis, Proc. Acad. Sci. Phila., 1894, p. 188. [syn.]

Limnerium mellipes Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Proclitus mellipes Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. [syn.]

Cremastus mellipes Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Proclitus mellipes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

OECOPHORIDAE: *a*, *Agonopteryx pulvipenella*.

Zaleptopygus mordellistenae (Cushman)

Cremastus mordellistenae Baker, Ent. News, 1895, 6: 29. [host *b*, Colo.]
Nomen nudum.

Cremastus (Zaleptopygus) mordellistenae Cushman, Proc. U. S. Nat. Mus., 1917,
53: 539. ♂, ♀. [key, o.d., host *b*, Colo. (U.S.N.M.)]

Zaleptopygus mordellistinae Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104.
[host *a*, Man.]

Cremastus (*Zaleptopygus*) *mordellistinae* Cushman, Proc. U. S. Nat. Mus., 1927,
72, art. 13: 20. [des., host *c*]

MORDELLIDAE: *a*, *Mordellistena aemula*; *b*, *Mordellistena morula*; *c*, *Mordellistena* sp.

***Zaleptopygus nemoralis* (Davis)**

Cremastus nemoralis Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♂, ♀.
[o.d., Mich. (A.N.S.P.)]

Cremastus nemoralis Cushman, Proc. U. S. Nat. Mus., 1917, 53: 550. [des.]

Cremastus (*Zaleptopygus*) *nemoralis* Cushman, Proc. U. S. Nat. Mus., 1920, 58:
284. [des.]

***Zaleptopygus nigriclypealis* (Cushman)**

Cremastus (*Zaleptopygus*) *nigriclypealis* Cushman, Proc. U. S. Nat. Mus., 1917,
53: 543. ♀. [key, o.d., Las Cruces, N.M. (U.S.N.M.)]

***Zaleptopygus obesus* (Cushman)**

Cremastus (*Zaleptopygus*) *obesus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 285.
♀. [o.d., Hyattsville, Md. (U.S.N.M.)]

***Zaleptopygus orbitalis* (Cresson)**

Porizon orbitalis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂, ♀. [o.d.,
Bosque Co., Tex. (A.N.S.P.)]

Zaleptopygus orbitalis Viereck, Proc. U. S. Nat. Mus., 1911, 41: 294. [des.]

Cremastus orbitalis Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]

Cremastus (*Zaleptopygus*) *orbitalis* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
548. [key, des.]

***Zaleptopygus orbus* (Davis)**

Leptopygus orbus Davis, Trans. Amer. Ent. Soc., 1898, 24: 365. ♂, ♀. [o.d.,
Mich. (A.N.S.P.), Pa.]

Leptopygas (!) *orbus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583.
[“N.J. district”]

Zaleptopygus oberea Viereck, Proc. U. S. Nat. Mus., 1911, 41: 295. ♂, ♀.
[o.d., host *a*, Chicago, Ill. (U.S.N.M.)] New synonymy.

Cremastus (*Zaleptopygus*) *oberea* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
548. [key, des.]

Leptopygus orbus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 550. [des.]

Cremastus (*Zaleptopygus*) *orbus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 284.
[des.]

CERAMBYCIDAE: *a*, *Oberea tripunctata*.

Zaleptopygus plesius (Cushman)

Cremastus (*Zaleptopygus*) *plesius* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 535. ♀. [key, o.d., ?Mich. (U.S.N.M.)]

Zaleptopygus quintilis (Viereck) new combination

Thersilochus mimeticus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 300. ♀. [o.d., Sedgwick Co., near Wichita, Kans. (Univ. Kans.)] New synonymy.
Thersilochus quintilis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 301. ♂. [o.d., Douglas Co., Kans. (Univ. Kans.)]

Zaleptopygus retiniae (Cresson)

Cremastus retiniae Cresson, Ann. Rpt. U. S. Dept. Agr. for 1879, 1880, p. 238. ♂. [o.d., host c, Ithaca, N.Y. (U.S.N.M.)]
Cremastus retiniae Riley and Howard, Insect Life, 1890, 3: 156. [host a b, Mo., N.Y.]
Cremastus retiniae Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 40. [host d, Ohio]
Cremastus(!) *retiniae*(!) Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Temelucha websteri Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.J.] Nomen nudum.
Temelucha retiniae Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.J., N.Y.]
Cremastus retiniae Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 617. [syn.]
Cremastus(!) *retiniae* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
Cremastus retiniae Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 277. [key]
Cremastus (*Zaleptopygus*) *retiniae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 537. [key, des., D.C., Md., Va.]
Cremastus retiniae Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]
Cremastus (*Zaleptopygus*) *retiniae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

GELECHIIDAE: a, *Frumenta mundinella*. OLETHREUTIDAE: b, *Petrova comstockiana*; c, *Rhyacionia rigidana*. CRAMBIDAE: d, ?*Crambus* sp.

Zaleptopygus rohweri (Cushman)

Cremastus (*Zaleptopygus*) *rohweri* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 541. ♀. [key, o.d., Mount Union, Pa. (U.S.N.M.)]

Zaleptopygus rosae (Cushman)

Cremastus (*Zaleptopygus*) *rosae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 536. ♀. [key, o.d., Vienna, Va. (U.S.N.M.)]

Zaleptopygus rostratus (Cushman)

Cremastus (Zaleptopygus) rostratus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 532. ♀. [key, o.d., New York, N.Y. (U.S.N.M.)]

Zaleptopygus similis (Cushman)

Cremastus (Zaleptopygus) similis Cushman, Proc. U. S. Nat. Mus., 1917, 53: 535. ♀. [key, o.d., Collins, Ida. (U.S.N.M.)]

Zaleptopygus similis Brimley, Insects of N.C., 1938, p. 416. [N.C.]

Zaleptopygus snowi (Viereck) new combination

Thersilochus snowi Viereck, Trans. Kans. Acad. Sci., 1905, 19: 299. ♀. [o.d., Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]

Zaleptopygus stigmaterus (Cresson) new combination

Porizon stigmaterus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂, ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Cremastus stigmaterus Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]

Neocremastus stigmaterus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 509. [des.]

Zaleptopygus tetralophae (Cushman)

Cremastus (Zaleptopygus) tetralophae Cushman, Proc. U. S. Nat. Mus., 1917, 53: 537. ♂, ♀. [key, o.d., host *a*, Monticello, Fla. (U.S.N.M.)]

Cremastus tetralophae Brimley, Insects of N.C., 1938, p. 416. [N.C.]

EPIPASCHIDAE: *a*, *Tetralopha subcanalis*.

Zaleptopygus vierecki (Cockerell)

Porizon Vierecki Cockerell, Ann. Mag. Nat. Hist., 1903, (7), 12: 200. ♂. [o.d., Arroya 10 miles west of La Luz, N.M. (U.S.N.M.)]

Porizon Vierecki Cockerell, Canad. Ent., 1905, 37: 362. [des.]

Cremastus (Zaleptopygus) viereckii Cushman, Proc. U. S. Nat. Mus., 1917, 53: 544. [key, des.]

PSEUDERIPTERNUS Viereck

Pseuderipternus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 268, 269. Genotype: *Podogaster radiolatus* Provancher.

Pseuderipternus brevicauda Cushman

Pseuderipternus brevicauda Cushman, Proc. U. S. Nat. Mus., 1917, 53: 506. ♂, ♀. [key, o.d., Hanover, N.H. (U.S.N.M.), Canada]

Pseuderipternus elongatus (Davis)

Ateleuti (!) elongatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 362. ♀. [o.d., Atlantic City, N.J. (A.N.S.P.)]

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- Ateleute elongatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 585. [N.J.]
- Eripternus elongatus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. [syn.]
- Pseuderipternus gracilipes* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 507. ♂, ♀. [key, o.d., Mass. (U.S.N.M.), N.J.]
- Pseuderipternus gracilipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Pseuderipternus elongatus* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 372. [syn.]

***Pseuderipternus radiolatus* (Provancher)**

- Podogaster radiolatus* Provancher, Nat. Canad., 1875, 7: 329. ♀. [o.d., Que. (M.P.Q.)]
- Podogaster radiolatus* Provancher, Nat. Canad., 1879, 11: 183; (Faune p. 375). ♀. [des., Que.]
- Limneria radiolata* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [des.]
- Eripternus primus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.Y.] Nomen nudum.
- Podogaster radiolata* Dalla Torre, Cat. Hymen., 1901, 3: 123. [syn.]
- Pseuderipternus radiolatus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 508. [key, des., Conn., Mass., N.H., N.Y.]
- Casinaria (Pseuderipternus) radiolata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 269. ♀. [key, des., Conn.]
- Pseuderipternus radiolatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]
- Casinaria radiolatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Pseuderipternus radiolatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

DOLICHOPSELEPHUS Ashmead

- Dolichopselephus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23.
Genotype: *Dolichopselephus cockerelli* Ashmead.

***Dolichopselephus cockerelli* Ashmead**

- Dolichopselephus Cockerelli* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23. ♀. [o.d., Smith's Park, Colo. (U.S.N.M.)]
- Dolichopselephus cockerelli* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 508. [des.]
- Dolichopselephus cockerelli* Walley, Canad. Ent., 1941, 73: 170. [Sask.]

CREMASTUS Gravenhorst

Cremastus Gravenhorst, Ichneum. Europeae, 1829, 3: 370.

Genotype: *Cremastus spectator* Gravenhorst.

Temelucha Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 148.

Genotype: *Temelucha plutellae* Ashmead.

Neleothis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

New synonymy.

Genotype: *Neleothis*? *rufo-ornatus* Cameron. By present designation.

Paurolexis Cameron, Jour. Bombay Nat. Hist. Soc., 1906, 17: 282.

Genotype: *Paurolexis flavus* Cameron.

Tarytia Cameron, Jour. Bombay Nat. Hist. Soc., 1907, 17: 588.

Genotype: *Tarytia basimacula* Cameron.

Cremastidea Viereck, Proc. U. S. Nat. Mus., 1912, 13: 587.

Genotype: *Cremastidea chinensis* Viereck.

Cremastus attenuatus Cushman

Cremastus (*Zaleptopygus*) *attenuatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 286. ♂, ♀. [o.d., Victoria, Tex. (U.S.N.M.)]

Cremastus brevicauda Cushman

Cremastus (*Cremastus*) *brevicauda* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 528. ♂, ♀. [key, o.d., Bernadillo Co., N.M. (U.S.N.M.)]

Cremastus brevinervis Cushman

Cremastus (*Cremastus*) *brevinervis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 282. ♀. [o.d., Globe, Ariz. (U.S.N.M.)]

Cremastus brevipetiolus Cushman

Cremastus (*Cremastus*) *brevipetiolus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 525. ♂, ♀. [key, o.d., Rosslyn, Va. (U.S.N.M.)]

Cremastus brunneiceps Cushman

Cremastus (*Cremastus*) *brunneiceps* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 283. ♀. [o.d., Washington, D.C. (U.S.N.M.)]

Cremastus carpocapsae Cushman

Cremastus carpocapsae Cushman, Proc. U. S. Nat. Mus., 1930, 76: 11. ♂, ♀. [o.d., host a, Lawrence Co., Ohio (U.S.N.M.)]

Cremastus carpocapsae Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host b, Ohio]

OLETHREUTIDAE: a, *Carpocapsa pomonella*; b, *Grapholitha molesta*.

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Cremastus chilonis Cushman

Cremastus chilonis Cushman, Jour. Wash. Acad. Sci., 1935, 25: 562. ♂, ♀.
[o.d., host *a*, Douglas Lake, Cheboygan Co., Mich. (U.S.N.M.)]

Cremastus chilonis Frohne, Trans. Amer. Micros. Soc., 1939, 58: 233, 325, 347.
[biol., host *a b*, Mich.]

CRAMBIDAE: *a*, *Chilo forbesellus*, *b*, *Occidentalia comptulatalis*.

Cremastus cookii Weed

Cremastus cookii Weed, Ent. Amer., 1888, 4: 150. ♂, ♀. [o.d., host *a*, Anna, Ill. (Ill. Nat. Hist. Surv.), Mich.]

Cremastus cookii var. *rufus* Weed, Ent. Amer., 1888, 4: 151. ♂. [o.d., host *a*, Anna, Ill. (Ill. Nat. Hist. Surv.)] New synonymy.

Cremastus cookii Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, Mich.]

Temelucha cookii Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584.
[host *a*]

Cremastus cooki Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 617. [host *a*, N.J.]

Cremastus (*Cremastus*) *cookii* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 530.
[key, des., Ky., Mich., N.J.]

Cremastus cooki Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 277.
[key]

Cremastus cookii Fink, Jour. Agr. Res., 1932, 44: 555, 556. [biol., host *a*, N.J.]

Cremastus cookii Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 29-42.
[fig., biol., host *a*, Del.]

Cremastus cookii Knowlton, Jour. Econ. Ent., 1937, 30: 379-380. [host *b*, Ut.]

Cremastus cookii Neiswander, Jour. Econ. Ent., 1938, 31: 383. [host *a*, Ohio]

Cremastus cookii Summerland, Trans. Kans. Acad. Sci., 1938, 40: 165. [biol., host *a*, Kans.]

Cremastus cookii Parker and Lamerson, Bienn. Rpt. Dir. Kans. Agr. Exp. Sta., 1938, 9: 109. [host *a*, Kans.]

Cremastus cookii Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *a*, Ut.]

OLETHREUTIDAE: *a*, *Ancylis comptana*; *b*, *Ancylis comptana fragariae*.

Cremastus decoratus Gravenhorst

Cremastus decoratus Gravenhorst, Ichneum. Europeae, 1829, 3: 734. ♂, ♀.
[o.d., "circa Genuam, in Tauria et Regione Pedemontana," (Italy) (?Breslau Mus.)]

Cremastus (*Cremastus*) *decoratus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 528. [key, syn., des., host *a*, N.Y.]

Cremastus (*Cremastus*) *decoratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [host *a*, N.Y.]

OLETHREUTIDAE: *a*, *Rhyacionia buoliana*.

Cremastus epagoges Cushman

Cremastus (*Cremastus*) *epagoges* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 531.

♂, ♀. [key, o.d., host *c*, Nashville, Tenn. (U.S.N.M.)]

Cremastus epagoges Dickerson and Weiss, Jour. N.Y. Ent. Soc., 1920, 28: 44.

[host *a*, N.J.]

Cremastus epagoges Isely and Ackerman, Bull. Univ. Ark. Agr. Exp. Sta., 1923, 189: 47. [biol., host *d*, Ark.]

Cremastus epagoges Cushman, Jour. Agr. Res., 1927, 34: 618. [biol., host *c* g]

Cremastus epagoges Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331.
[host *h*, Neb.]

Cremastus epagoges Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 22-41.
[biol., host *e* f, Del.]

Cremastus epagoges Putman, Canad. Ent., 1935, 67: 107. [host *e*, Ont.]

Cremastus epagoges Hoffman, Bull. Brooklyn Ent. Soc., 1936, 31: 211. [host *b*, Minn.]

Cremastus epagoges Rice, Jour. Econ. Ent., 1937, 30: 108-115. [biol., host *e*, Del.]

Cremastus epagoges Putman, Canad. Ent., 1938, 70: 90. [host *e*, Ont.]

Cremastus epagoges Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *f*, Del.]

MOMPHIDAE: *a*, *Cyphophora eloisella*. TORTRICIDAE: *b*, *Archips cerasivorana*; *c*, *Sparganothis sulfureana*. OLETHREUTIDAE: *d*, *Carpocapsa pomonella*; *e*, *Epiblema strenuana*; *f*, *Grapholitha molesta*; *g*, *Rhyacionia frustrana*; *h*, *Rhyacionia frustrana bushnelli*.

Cremastus evetriae Cushman

Cremastus (*Cremastus*) *evetriae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 530.

♀. [key, o.d., host *a*, Fort Bayard, N.M. (U.S.N.M.)]

Cremastus evetriae Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

OLETHREUTIDAE: *a*, *Rhyacionia frustrana bushnelli*.

Cremastus facilis (Cresson)

Porizon facilis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 175. ♂, ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Porizon macer Cresson, Trans. Amer. Ent. Soc., 1872, 4: 175. ♂, ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Temelucha fascialis (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584.
[N.J.]

Temelucha macer Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584.
[N.J.]

Porizon facilis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 221. [des., Tex.]

Temelucha (*Porizon*) *macer* Chittenden and Marsh, Bull. U. S. Dept. Agr. Bur. Ent., 1912, 109: 31. [host *c*]

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- Cremastus facialis* (!) Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]
Cremastus macer Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]
Cremastus (*Cremastus*) *facilis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 527.
 [key, syn., des., Ala., D.C., Ia., Kans., N.C., N.M., Ohio, Pa., Tex., Va.]
Zemelucha (!) (*Porizon*) *fascialis* (!) Chittenden, Jour. Econ. Ent., 1918, 11: 456.
 [host e]
Cremastus facilis Ainslie, Jour. Agr. Res., 1921, 20: 843. [host d]
Cremastus facilis Franklin, Bull. Mass. Agr. Exp. Sta., 1921, 206: 159. [biol.,
 host b, Mass.]
Porizon macer Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
Cremastus facilis Bottimer, Jour. Agr. Res., 1926, 33: 808. [host a, Tex.]
Cremastus (*Cremastus*) *facilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,
 1928, 101: 958. [N.Y.]
- GELECHIIDAE: a, *Isophrictis similiella*. CRAMBIDAE: b, *Crambus topiarius*. PY-
 RAUSTIDAE: c, *Hellula undalis*; d, *Pyrausta ainsliei*; e, *Pyrausta penitalis*.

***Cremastus ferrugineus* Davis**

- Cremastus ferrugineus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♂, ♀.
 [o.d., Algonquin, Ill. (A.N.S.P.)]
Atrometus angitioides Viereck, Trans. Kans. Acad. Sci., 1905, 19: 311. ♀.
 [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.
Cremastus (*Cremastus*) *ferrugineus* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
 520. [key, des.] Misdetermined, according to Cushman 1920.
Cremastus (*Cremastus*) *graciliventr*is Cushman, Proc. U. S. Nat. Mus., 1917, 53:
 522. ♀. [key, o.d., Washington, D.C. (U.S.N.M.), Fla., Ill., Ohio, Pa.,
 Va.] New synonymy.
Cremastus (*Cremastus*) *ferrugineus* Cushman, Proc. U. S. Nat. Mus., 1920, 58:
 282. [des.]
Cremastus (*Cremastus*) *graciliventr*is Bradley, Bull. Lloyd Libr., 1926, 27: 172.
 [N.Y.]
Cremastus (*Cremastus*) *graciliventr*is Cushman, Mem. Cornell Univ. Agr. Exp.
 Sta., 1928, 101: 958. [N.Y.]
*Cremastus graciliventr*is Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,
 3, no. 2: 106. [Mass.]
*Cremastus graciliventr*is Cartwright, Bull. S.C. Exp. Sta., 1934, 294: 27. [host a,
 S.C.]
Cremastus ferrugineus Brimley, Insects of N.C., 1938, p. 416. [N.C.]
- CRAMBIDAE: a, *Diatraea crambidoides*.

***Cremastus flaviceps* Cushman**

- Cremastus* (*Cremastus*) *flaviceps* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
 521. ♂, ♀. [key, o.d., host a, Grand Junction, Colo. (U.S.N.M.), Tex.]
- COCCIDAE: a, *Pulvinaria bigeloviae*.

Cremastus forbesi Weed

Cremastus forbesi Weed, Bull. Ill., State Lab. Nat. Hist., 1887, 3: 42. ♀.
[o.d., host *e*, (Urbana, Ill.) (Ill. Nat. Hist. Surv.)]

Temelucha forbesii Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Cremastus (*Cremastus*) *forbesii* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 532.
[key, des., host *b c g i*, Colo., Conn., Mich., N.J.]

Cremastus forbesii Ingerson, Bull. U. S. Dept. Agr., 1918, 599: 12. [host *c*, Mich.]

Cremastus forbesii Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *d*, Pa.]

Cremastus forbesii Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *h*, N.J.]

Cremastus forbesii Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Cremastus (*Cremastus*) *forbesii* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [host *b c d*, N.Y.]

Cremastus forbesii Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

Cremastus forbesii Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *h*, Ohio]

Cremastus forbesii Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 17. [biol., host *h*, N.J.]

Cremastus forbesii Haeussler, Jour. Agr. Res., 1930, 41: 372. [host *h*, N.J.]

Cremastus forbesii Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17.
[host *h*, N.Y.]

Cremastus forbesii Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67. [host *h*, Ont.]

Cremastus forbesii Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *h*, Mich.]

Cremastus forbesii Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71.
[host *h*, Ont.]

Cremastus forbesii Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 16-35.
[biol., host *h*, Del.]

Cremastus forbesii Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 27. [host *h*, Ohio]

Cremastus forbesii Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 418. [host *a*]

Cremastus forbesii Putman, Canad. Ent., 1938, 70: 90. [host *f*, Ont.]

Cremastus forbesii Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *h*, Del.]

Cremastus forbesii Wingo, Bull. Mo. Agr. Exp. Sta., 1941, 424: 10. [host *h*, Mo.]

COLEOPHORIDAE: *a*, *Coleophora salmani*. GELECHIIDAE: *b*, *Aroga trialbamaculella*; *c*, *Filatima persicaeella*. TORTRICIDAE: *d*, *Argyrotaenia velutinana*; *e*, *Peronea minuta*. OLETHREUTIDAE: *f*, *Epiblema strenuana*; *g*, *Episimus argutatus*; *h*, *Grapholitha molesta*; *i*, *Rhobopota naevana*.

Cremastus gracilipes Cushman

Cremastus (*Cremastus*) *gracilipes* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 520. ♀. [key, o.d., host *c*, East Marsh, D.C. (U.S.N.M.)]

Cremastus gracilipes Champlain, Psyche, 1922, 29: 97. [host *c*, Pa.]

Cremastus gracilipes Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 10. ♂, ♀. [des., host *b c*, N.J., Pa., Tex.]

Cremastus gracilipes Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 35. [host *a*, Del.]

OLETHREUTIDAE: *a*, *Epiblema strenuana*; *b*, *Grapholitha molesta*. PYRAUSTIDAE: *c*, *Dicymolomia julianalis*.

Cremastus gracilis Cushman

Cremastus (*Cremastus*) *gracilis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 519.

♀. [key, o.d., Lexington, Ky. (U.S.N.M.)]

Cremastus grapholithae Cushman

Cremastus grapholithae Cushman, Jour. Wash. Acad. Sci., 1935, 25: 561. ♂, ♀. [o.d., host *a*, Harriman, Tenn. (U.S.N.M.)]

Cremastus grapholithae Bobb, Jour. Econ. Ent., 1939, 32: 606. [host *a*, Va.]

Cremastus grapholithae Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *a*, Del.]

OLETHREUTIDAE: *a*, *Grapholitha molesta*.

Cremastus hamiltonensis (Viereck) new combination

Thersilochus hamiltonensis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 301. ♂. [Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]

Cremastus interruptor Gravenhorst

Cremastus interruptor Gravenhorst, Ichneum. Europeae, 1829, 3: 736. ♂, ♀. ["circa Norimbergam et circa Sickershausen," (Germany) (?Breslau Mus.)]

Cremastus interruptor Wier, Rpt. Minister Agr. Canada for 1932, 1932, p. 178. [Ont.]

Cremastus interruptor Sheppard, Ann. Rpt. Ent. Soc. Ont., 1933, 63: 61. [host *a*, Ont.]

Cremastus interruptor Dowden and Berry, Jour. Econ. Ent., 1938, 31: 459. [host *a*, Conn., N.J., N.Y.]

Cremastus interruptor Friend, Plumb, and Hicock, Jour. Econ. Ent., 1938, 31: 511. [host *a*, Conn.]

OLETHREUTIDAE: *a*, *Rhyacionia buoliana*.

Cremastus longigenalis Cushman

Temelucha scutellata Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.

- Cremastus (Cremastus) longigenalis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 516. ♀. [key, o.d., Mt. Washington, N.H., 5000-5500 ft. (U.S.N.M.)]
Cremastus longigenalis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 10. [syn.]

***Cremastus minor* Cushman**

- Cremastus (Cremastus) minor* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 521. ♂, ♀. [key, o.d., host *a b c e*, N.J. (U.S.N.M.), D.C., Ill., Kans., Mich., Pa.]
Cremastus minor Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *d*, N.J.]
Cremastus minor Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 75, 76, 77. [host *d*, Ont.]
Cremastus minor Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126. [host *d*, Ont.]
Cremastus minor Allen and Lott, Proc. Ent. Soc. Wash., 1930, 32: 136. [host *c d*]
Cremastus minor Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 17. [biol., host *d*, N.J.]
Cremastus minor Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *d*, Ohio]
Cremastus minor Haeussler, Jour. Agr. Res., 1930, 41: 371, 372. [host *d*, N.J.]
Cremastus minor Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59, 60. [host *d*, Ont.]
Cremastus minor Butler, Proc. Ann. Conv. Tenn. Hort. Soc., 1931, 27: 79. [host *d*, Tenn.]
Cremastus minor Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17. [host *d*, N.Y.]
Cremastus minor Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67, 68, 69. [host *d*, Ont.]
Cremastus minor Merritt, Jour. Econ. Ent., 1933, 26: 789-791. [host *d*, Mich.]
Cremastus minor Montgomery, Canad. Ent., 1933, 65: 189, 190. [host *c*, Ind.]
Cremastus minor Merritt, Quart. Bull. Mich. Agr. Exp. Sta., 1933, 15: 225. [biol., host *d*, Mich.]
Cremastus minor Neiswander and Vogel, Bull. Ohio Agr. Exp. Sta., 1933, 516: 53. [host *d*, Ohio]
Cremastus minor Merritt, Midwest Fruitman Aug.-Sept., 1933, p. 8. [biol., host *d*, Mich.]
Cremastus minor Butler, Jour. Econ. Ent., 1933, 26: 985. [host *d*, Tenn.]
Cremastus minor Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *d*, Mich.]
Cremastus minor Pepper and Driggers, Ann. Ent. Soc. Amer., 1934, 27: 596. [biol., host *c*, N.J.]
Cremastus minor Putman, Canad. Ent., 1935, 67: 47-48. [host *c d*, Ont.]
Cremastus minor Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71. [host *d*, Ont.]

Cremastus minor Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 14-41.
[fig., biol., host *c d*, Del.]

Cremastus minor Putman, Canad. Ent., 1935, 67: 107. [host *c*, Ont.]

Cremastus minor Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 25, 27.
[host *c d*, Ohio]

Cremastus minor Peck, Canad. Jour. Res., 1937, D, 15: 245-247, 249, 250.
[fig. ♂ genitalia]

Cremastus minor Rice, Jour. Econ. Ent., 1937, 30: 112, 114. [biol., host *c*, Del.]

Cremastus minor Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69:
72. [biol., host *d*, Ont.]

Cremastus minor Reinhard, Bull. Tex. Agr. Exp. Sta., 1938, 559: 31. [host *f*,
Tex.]

Cremastus minor Putman, Canad. Ent., 1938, 70: 90. [host *c*, Ont.]

Cremastus minor Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *d*,
Del.]

Cremastus minor Wingo, Bull. Mo. Agr. Exp. Sta., 1941, 424: 10. [host *d*, Mo.]

GELECHIIDAE: *a*, "*Gelechia*" sp., *b*, *Gnorimoschema axenopis*. OLETHREUTIDAE:
c, *Epiblema strenuana*; *d*, *Grapholitha molesta*; *e*, *Rhopopota naevana*. NOLIDAE: *f*,
Celama sorghiella.

***Cremastus platynotae* Cushman**

Cremastus (*Cremastus*) *platynotae* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
526. ♂, ♀. [key, o.d., host *a*, Tempe, Ariz. (U.S.N.M.)]

TORTRICIDAE: *a*, *Platynota flavedana*.

***Cremastus protractus* Cushman**

Cremastus protractus Cushman, Jour. Wash. Acad. Sci., 1935, 25: 563. ♀.
[o.d., host *a*, Pullman, Wash. (U.S.N.M.)]

COLEOPHORIDAE: *a*, *Coleophora* sp. on *Aster eastoni*.

***Cremastus pterophori* Cushman**

Cremastus pterophori Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 13.
♂, ♀. [o.d., host *a*, Dane Co., Wis. (U.S.N.M.)]

PTEROPHORIDAE: *a*, *Oidaematophorus lacteodactylus*.

***Cremastus rectus* Provancher**

Cremastus rectus Provancher, Nat. Canad., 1874, 6: 175. ♀. [o.d., Que.
(M.P.Q.)]

Cremastus rectus Provancher, Nat. Canad., 1879, 11: 184; (Faune, p. 376). ♀.
[key, des., Que.]

Cremastus rectus Provancher, Nat. Canad., 1882, 13: 366; (Faune, p. 788).
[key]

Cremastus (*Cremastus*) *longiventris* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
517. ♀. * [key, o.d., Vienna, Va. (U.S.N.M.), Mass.] New synonymy.

- Cremastus rectus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 550. [des.]
Cremastus rectus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
Cremastus longiventris Brimley, Insects of N.C., 1938, p. 416. [N.C.]

***Cremastus rhyacioniae* Cushman**

- Cremastus rhyacioniae* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 12.
 ♂, ♀. [o.d., host *a*, *Pactola*, S.D. (U.S.N.M.)]
 OLETHREUTIDAE: *a*, *Rhyacionia frustrana bushnelli*.

***Cremastus ruficeps* Cushman**

- Cremastus* (*Cremastus*) *ruficeps* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 518.
 ♀. [key, o.d., Milwaukee, Wis. (U.S.N.M.)]

***Cremastus sinuatus* Cushman**

- Cremastus* (*Cremastus*) *sinuatus* Cushman, Proc. U. S. Nat. Mus., 1926, 67; art. 23: 12. ♂, ♀. [o.d., host *a b*, Coachella Valley, Calif. (U.S.N.M.)]
 PHYCITIDAE: *a*, *Cactobrosis strigalis*; *b*, *Rumatha glaucatella*.

***Cremastus tortricidis* Cushman**

- Cremastus* (*Cremastus*) *tortricidis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 528. ♀. [key, o.d., host *a*, Nashville, Tenn. (U.S.N.M.)]
Cremastus tortricidis Eddy and Nettles, Jour. Econ. Ent., 1931, 24: 861. [host *b*, S.C.]
Cremastus tortricidis Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *b*, Mich.]
Cremastus tortricidis Butler, Jour. Econ. Ent., 1933, 26: 985. [host *b*, Tenn.]
Cremastus tortricidis Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *b*, Mich.]
Cremastus tortricidis Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *b*, Ohio]
Cremastus tortricidis Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 73. [host *b*, Ont.]
 TORTRICIDAE: *a*, *Sparganothis sulfureana*. OLETHREUTIDAE: *b*, *Grapholitha molesta*.

AREOLOPRISTOMERUS Cushman

- Areolopristomerus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 274.
 Genotype: (*Pristomerus* (*Areolopristomerus*) *smithi* Cushman) = *dubius* Brues.

***Areolopristomerus dubius* (Brues)**

- Pristomeridia?* *dubia* Brues, Psyche, 1911, 18: 24. ♀. [key, o.d., fig., Blue Hills, near Boston, Mass. (Brues Coll.)]
Pristomerus (*Areolopristomerus*) *smithi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 274. ♀. [key, o.d., Pyziton, Ala. (U.S.N.M.)] New synonymy.
Pristomerus (*Areolopristomerus*) *dubia* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 275. [key, des.]

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EIPHOSOMA Cresson

Eiphosoma Cresson, Proc. Ent. Soc. Phila., 1865, 4: 52.

Genotype: *Eiphosoma annulatum* Cresson.

Xiphosoma Marshall, Ann. Ent. Soc. France, 1892, 61: 65. Emendation of *Eiphosoma* Cresson.

Brachixiphosoma Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147. New synonymy.

Genotype: *Eiphosoma pyralidis* Ashmead.

Eiphosoma bruesi Cushman

Eiphosoma (*Eiphosoma*) *bruesi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 272.

♀. [key, o.d., Granger, Tex. (U.S.N.M.)]

Eiphosoma bruesi Hamlin, Pan-Pacific Ent., 1926, 2: 100. [host *a*, Tex.]

PYRAUSTIDAE: *a*, *Mimorista flavidissimalis*.

Eiphosoma pyralidis Ashmead

Eiphosoma pyralidis Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, Mo.] Nomen nudum.

Eiphosoma pyralidis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 191. ♂. [o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

Eiphosoma pyralidis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 312. [des., Kans.]

Eiphosoma pyralidis Brues, Psyche, 1911, 18: 21. [key]

Brachixiphosoma pyralidis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147. [syn.]

Eiphosoma pyralidis Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 54. [key, des., Mo., "Theresopolis"]

Brachixiphosoma pyralidis Cockerell, Proc. U. S. Nat. Mus., 1913, 46: 61. [Mich., N.Y.]

Eiphosoma (*Brachixiphosoma*) *pyralidis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 271. [key, des.]

Eiphosoma (*Brachixiphosoma*) *pyralidis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

Eiphosoma pyralidis Brimley, Insects of N.C., 1938, p. 416. [N.C.]

PYRALIDIDAE: *a*, pyralidid on *Solidago* sp.

Eiphosoma septentrionale Brues

Eiphosoma septentrionale Brues, Psyche, 1911, 18: 22. ♀. [key, o.d., fig., Castle Rock, Pa. (Brues Coll.)]

Eiphosoma septentrionale Cockerell, Proc. U. S. Nat. Mus., 1913, 46: 61. [key]

Eiphosoma (*Eiphosoma*) *septentrionale* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 271. [key, des., Ala., D.C., Md.]

Eiphosoma septentrionale Cushman, Proc. U. S. Nat. Mus., 1931, 79, art. 14: 8.
[des.]

Eiphosoma septentrionalis Brimley, Insects of N.C., 1938, p. 416. [N.C.]

***Eiphosoma texanum* Cresson**

Eiphosoma texana Cresson, Trans. Amer. Ent. Soc., 1872, 4: 176. ♀. [o.d.,
Comal Co., Tex. (A.N.S.P.)]

Eiphosoma texana Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Eiphosoma texana Nason, Ent. News, 1905, 16: 168. [Ill.]

Eiphosoma texanum Brues, Psyche, 1911, 18: 22. [key]

Eiphosoma texana Hunter, Pratt, and Mitchell, Bull. U. S. Dept. Agr., Bur.
Ent., 1912, 113: 22. [host a]

Eiphosoma texana Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 53. [key, des.,
Brazil, Mexico, Trinidad]

Eiphosoma (Eiphosoma) texanum Cushman, Proc. U. S. Nat. Mus., 1920, 58:
271. [key, des.]

Eiphosoma texanum Brimley, Insects of N.C., 1938, p. 416. [N.C.]

PYRAUSTIDAE: a, *Mimorista flavidissimalis*.

Subfamily 11. OPHIONINAE

Tribe 3. TERSILOCHINI

LEPTOPYGUS Foerster

Leptopygus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 148.

Genotype: *Ichneumon harpurus* Schrank.

***Leptopygus angularis* (Provancher) new combination**

Cremastus angularis Provancher, Nat. Canad., 1874, 6: 176. ♂. [o.d., Que.
(M.P.Q.)]

Mesoleptus micans Provancher, Nat. Canad., 1875, 7: 114. ♂. [key, o.d.,
Que. (M.P.Q.)] New synonymy.

Mesoleptus micans Provancher, Nat. Canad., 1875, 7: 272. [key]

Porizon angulare Provancher, Nat. Canad., 1879, 11: 206; (Faune, p. 378).
♂. [key, des., fig.]

Thersilochus micans Provancher, Nat. Canad., 1879, 11: 207; (Faune, p. 379).
♀. [des.]

Thersilochus micans Provancher, Addit. Faune Canada, Hymén., 1886, p. 91.
[key]

Porizon elongatum Provancher, Addit. Faune Canada, Hymén., 1886, p. 91.
♂, ♀. [o.d., Que. (M.P.Q.)] New synonymy.

Atractodes politus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23. ♂, ♀. [o.d.,
Lee's Cabin, Colo. (U.S.N.M.)] New synonymy.

Porizon? micans Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

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- Porizon angulare* Davis, Canad. Ent., 1895, 27: 289. [syn.] In part.
Porizon angularis Dalla Torre, Cat. Hymen., 1901, 3: 47. [syn.] In part.
Porizon elongatus Dalla Torre, Cat. Hymen., 1901, 3: 47. [syn.]
Atractodes politus Slosson, Ent. News, 1902, 13: 320. [N.H.]
Porizon canaliculatus Viereck, Trans. Amer. Ent. Soc., 1903, 29: 92. ♂. [o.d., Beulah, N.M. (U.S.N.M.)] New synonymy.
Thersilochus micans Nason, Ent. News, 1905, 16: 168. [Ill.]
Porizon canaliculatus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.]
Leptopygus politus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
Leptopygus politus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

Leptopygus borealis (Provancher) new combination

- Porizon borealis* Provancher, Nat. Canad., 1877, 9: 14. ♂. [o.d., Que. (M.P.Q.)]
 ?*Porizon boreale* Provancher, Nat. Canad., 1879, 11: 206; (Faune, p. 378). ♀. [key, o.d., Que. (type lost)] New synonymy.
Porizon rugosum Provancher, Nat. Canad., 1879, 11: 206; (Faune, p. 378). ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.
Porizon borealis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.] In part.
Leptopygus monticola Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.
Gonolochus rugosum Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.Y.]
Porizon angularis Dalla Torre, Cat. Hymen., 1901, 3: 47. [syn.] In part.
Leptopygus rugosus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 17. [syn.]

CRATOPHION Thomson

- Cratophion* Thomson, Opusc. Ent., 1899, 13: 1363.
 Genotype: *Porizon gravipes* Gravenhorst.

Cratophion errabundus (Provancher) new combination

- Thersilochus errabundus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 92. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]
Notopygus americana Harrington, Canad. Ent., 1892, 24: 98. ♀. [o.d., ?Ottawa, Ont. (C.N.C.)] New synonymy.
Porizon borealis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.] In part.
Porizon angulare Davis, Canad. Ent., 1895, 25: 289. [syn.] In part.
Porizon americana Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]
Cratophion americana Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

BARYCNEMIS Foerster

Barycnemis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 147.

Genotype: *Porizon claviventris* Gravenhorst.

Zasternaulax Viereck, Proc. U. S. Nat. Mus., 1912, 42: 647. New synonymy.

Genotype: *Zasternaulax simplicicornis* Viereck.

Barycnemis claviventris (Gravenhorst)

Porizon claviventris Gravenhorst, Ichneum. Europeae, 1829, 3: 755. ♀. [o.d., "circa Hercynia, Berolinum, et Warmbrunn." (Germany) (?Breslau Mus.)]

Porizon (Barycnemis) claviventris Thomson, Opusc. Ent., 1889, 13: 1364. ♂, ♀. [des., northern and central Europe]

Barycnemis slossonae Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Porizon (Barycnemis) laeviceps Roman, Archiv für Zoologi, 1916, 10, no. 22: 12. ♀. [des., Greenland] Misdetermined.

Barycnemis slossonae Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 8. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

Porizon (Barycnemis) claviventris Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 288. [syn., Greenland]

Barycnemis linearis Ashmead

Barycnemis linearis Ashmead, Proc. Ent. Soc. Wash., 1895, 3: 238. ♀. [o.d., Ottawa, Ont. (U.S.N.M.)]

Barycnemis simplicicornis (Viereck) new combination

Zasternaulax simplicicornis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 647. ♂. [o.d., host a, Columbia Falls, Mont. (U.S.N.M.)]

CURCULIONIDAE: a, *Pissodes* sp.

TERSILOCHUS Holmgren

Tersilochus Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 329.

Genotype: (*Porizon iocator* Gravenhorst) = *iocator* Fabricius.

Thersilochus Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 135. Emendation of *Tersilochus* Holmgren.

Tersilochus alaskensis (Ashmead) new combination

Isurgus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 239. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)]

Tersilochus conotracheli (Riley)

Porizon conotracheli Riley, Ann. Rpt. Insects Mo., 1871, 3: 28. ♂, ♀. [o.d., fig., host b, N.J. (U.S.N.M.)]

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- Thersilochus conotracheli* Riley and Howard, Rpt. U. S. Dept. Agr. for 1888, 1889, p. 64. [biol., host *b*]
- Thersilochus conotracheli* Riley and Howard, Insect Life, 1890, 3: 156. [host *b*, N.J.]
- Porizon conotracheli* Riley, Insect Life, 1893, 6: 132. [Mo.]
- Thersilochus conotracheli* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.Y.]
- Thersilochus conotracheli* Johnson and Girault, Cir. U. S. Dept. Agr., 1906, 73: 6. [host *b*, N.Y.]
- Thersilochus conotracheli* Quaintance and Jenne, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 103: 147. [fig., biol., host *b*, Conn., Ill., Kans., Mo., N.Y.]
- Thersilochus conotracheli* Cushman, Jour. Agr. Res., 1916, 6: 847-855, Pl. 109. [des., fig., biol., host *b*, Pa.]
- Porizon conotracheli* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 275. [des., Conn.]
- Thersilochus conotracheli* Brooks, Bull. U. S. Dept. Agr., 1922, 1066: 11. [host *c*, W.Va.]
- Thersilochus conotracheli* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]
- Thersilochus conotracheli* Brooks and Cotton, Jour. Agr. Res., 1924, 28: 385. [host *a*, W.Va.]
- Thersilochus conotracheli* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, Pl. 3; figs. 10, 14, 15, 17, 18 [biol.]
- Thersilochus conotracheli* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]
- Thersilochus conotracheli* Dozier, Williams, and Butler, Bull. Univ. Del. Agr. Exp. Sta., 1932, 175: 38-39. [biol., host *b*, Del.]
- CURCULIONIDAE: *a*, *Conotrachelus anaglypticus*; *b*, *Conotrachelus nenuphar*; *c*, *Conotrachelus retentus*.

***Tersilochus deficiens* (Provancher) new combination**

- Stilpnus deficiens* Provancher, Addit. Faune Canada, Hymén., 1888, p. 359. ♀. [o.d., Ottawa, Ont. (M.P.Q.)]
- Thersilochus deficiens* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]
- Thersilochus deficiens* Davis, Canad. Ent., 1895, 27: 287. [des.]

HETEROCOLA Foerster

- Heterocola* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande. 1868, 25: 148.
Genotype: *Thersilochus proboscidalis* Thomson.

***Heterocola americana* Brues**

- Heterocola americana* Brues, Ent. News, 1916, 27: 331. ♀. [o.d., Forest Hills, Boston, Mass. (Brues Coll.)]

Heterocola americana Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

Tersilochini of Uncertain Genus

The following species are near *Tersilochus* but on account of the elongate gastrocoeli can not be referred to this genus. Without time and material to evaluate the various genera of this group that are used by European authors, I shall not attempt generic placements.

***Aneucelis erythrostomus* Cameron**

Aneucelis? erythrostomus Cameron, Invert. Pacifica, 1903, 1: 131. ♀. [o.d., Ormsby Co., Nev. (British Mus.)]

***Thersilochus maturus* Provancher**

Thersilochus maturus Provancher, Addit. Faune Canada, Hymén., 1886, p. 92. ♀. [key, o.d., Hull, Que. (M.P.Q.)]

***Thersilochus montanus* Ashmead**

Thersilochus montanus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23. ♂. [o.d., Cimmaron, Colo. (U.S.N.M.)]

Thersilochus montanus Nason, Ent. News, 1905, 16: 168. [Ill.]

***Thersilochus provancheri* Ashmead**

Thersilochus pallipes Provancher, Nat. Canad., 1882, 13: 367; (Faune, p. 789). ♀. [o.d., Que. (M.P.Q.)] Preoccupied by Holmgren, 1858.

Thersilochus pallipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 92. [key]

Thersilochus provancheri Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 24. [new name for *Thersilochus pallipes* Provancher]

Thersilochus provancheri Slosson, Ent. News, 1900, 11: 320. [N.H.]

Porizon provancheri Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [syn., N.Y.]

Thersilochus pallipes Nason, Ent. News, 1905, 16: 168. [Ill.]

Thersilochus provancheri Nason, Ent. News, 1905, 16: 168. [Ill.]

Thersilochus provancheri Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [new name for *Thersilochus pallipes* Provancher]

Thersilochus provancheri Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

Thersilochus provancheri Cushman, Proc. U. S. Nat. Mus., 1929, 76, art. 25: 14. [syn.]

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Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 1. ANOMALINA

ANOMALON Panzer

Anomalon Panzer, Fauna Ins. German., 1804, heft 94, plate 15.

Genotype: *Anomalon cruentatus* Panzer.

Trachynotus Gravenhorst, Ichneum. Europeae, 1829, 3: 713. Preoccupied by Latreille, April, 1829.

Genotype: *Ophion foliator* Fabricius.

Ochlerus Gistel, Naturg. Thierr., 1848, p. XI New name for *Trachynotus* Gravenhorst. Preoccupied by Spinola, 1837.

Nototrachys Marshall, Trans. Ent. Soc. London, 1872, p. 259. New name for *Trachynotus* Gravenhorst.

Anomalon californicum (Cresson) new combination

Nototrachys californicus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 366. ♀. [o.d., San Diego, Calif. (A.N.S.P.)]

Nototrachys californicus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 69. [key]

Anomalon ejuncidum Say

Anomalon ejuncidum Say, Boston Jour. Nat. Hist., 1836, 1: 241; (Leconte Ed., 2: 697). ♀. [o.d., United States (type destroyed)]

Trachynotus fuscatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 50. ♂, ♀. [Cuba (A.N.S.P.)] New synonymy.

Trachynotus texanus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Trachynotus Canadensis Provancher, Nat. Canad., 1879, 11: 119; (Faune, p. 353). ♀. [o.d., Que. (M.P.Q.)]

Nototrachys canadensis Cresson, Synops. Hymen. N. Amer., 1887, p. 200. [syn.]

Nototrachys ejuncidus Cresson, Synops. Hymen. N. Amer., 1887, p. 200. [syn.]

Nototrachys texanus Cresson, Synops. Hymen. N. Amer., 1887, p. 201. [syn.]

Nototrachys jucundus (!) Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Nototrachys ejuncidus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.Y.]

Anomalon ejuncidum Dalla Torre, Cat. Hymen., 1901, 3: 164. [syn.]

Nototrachys texanus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [des., Ariz.]

Nototrachys ejuncidus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. [Ariz.]

- Nototrachys ejuncidus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 69. [key]
Nototrachys texanus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 71. [key, des.]
Anomalon ejuncidus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 156. [syn., des.]
Nototrachys texanus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
Anomalon ejuncidum Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
Anomalon ejurcidum (!) Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [Ut.]
Anomalon ejuncidum Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
Anomalon ejuncidum Brimley, Insects of N.C., 1938, p. 414. [N.C.]
Anomalon ejuncidum Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

Anomalon reticulatum (Cresson) new combination

- Trachynotus reticulatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 285. ♂. [o.d., Colo. (A.N.S.P.)]
Nototrachys reticulatus Cresson, Synops. Hymen. N. Amer., 1887, p. 201. [syn.]
Nototrachys reticulatus Viereck, Trans. Amer. Ent. Soc., 1903, 29: 89. [N.M.]
Nototrachys reticulatus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [des., Ariz.]
Nototrachys reticulatus Viereck, Trans. Amer. Ent. Soc., 1905, 32: 225. [Ariz.]
Nototrachys reticulatus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 72. [key, syn., des.]

NEOGREENEIA Viereck

- Neogreeneia* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 641.
 Genotype: *Neogreeneia picticornis* Viereck.

Neogreeneia picticornis Viereck

- Neogreeneia picticornis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 641. ♀.
 [o.d., Roxborough, Pa. (U.S.N.M.)]
Neogreeneia picticornis Viereck, Proc. Biol. Soc. Wash., 1916, 29: 169. [des., Md., N.C., Va.]
Neogreeneia picticornis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]
Neogreeneia (!) *picticornis* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 2. OPHIONELLINA

OPHIONELLUS Westwood

Pharsalia Cresson, Trans. Amer. Ent. Soc., 1872, 4: 177. Preoccupied by Thomson, 1864.

Genotype: *Pharsalia texana* Cresson.

Ophionellus Westwood, Thes. Ent. Oxon., 1874, p. 128, plate 24, fig. 3. New synonymy.

Genotype: *Ophionellus fragilis* Westwood.

Hymenopharsalia Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 97. New name for *Pharsalia* Cresson.

Parophionellus Brues and Richardson, Bull. Amer. Mus. Nat. Hist., 1913, 32: 495. [new name for *Pharsalia* Cresson]

Ophionellus bridwelli (Cushman) new combination

Hymenopharsalia Bridwelli Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 19. ♀. [key, o.d., Great Falls, Va. (U.S.N.M.)]

Ophionellus foutsii (Cushman) new combination

Hymenopharsalia foutsii Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 18. ♀. [key, o.d., Glen Echo, Md. (U.S.N.M.)]

Ophionellus texanus (Cresson) new combination

Pharsalia texana Cresson, Trans. Amer. Ent. Soc., 1872, 4: 177. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Hymenopharsalia texana Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 98. [key, Mexico, Tex.]

Hymenopharsalia texana Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20. [key, des., Kans., N.M., Tex.]

Pharsalis (!) *texana* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

Ophionellus virginienensis (Cresson) new combination

Pharsalia virginienensis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 177. ♀ (not ♂). [o.d., W.Va. (A.N.S.P.)]

Hymenopharsalia virginienensis Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 99. [key, des., Brazil, Mexico, Panama] In part.

Hymenopharsalia virginienensis Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 18. [key, des., Va.]

Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 3. OPHIOPTERINA

OPHIOPTERUS Brullé

Ophiopterus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 153.

Genotype: *Ophiopterus coarctatus* Brullé.

Ophiopterus cincticornis (Cresson) new combination

Trachynotus cincticornis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 49. ♂, ♀.
[o.d., Cuba (A.N.S.P.)]

Ophiopterus ferrugineus Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 380. ♀.
[o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy.

Nototrachys? annulicornis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 422. ♀.
[o.d., Tex. (U.S.N.M.)] New synonymy.

Ophiopterus ferrugineus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 94. [key,
des., Ill., Mexico, Tex.]

Ophionopterus (!) *ferrugineus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 66.
[syn., des.]

Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 4. APHANISTINA

TRICHOMMA Wesmael

Trichomma Wesmael, Bull. Acad. Sci. Belg., 1850, 16: 119, 137.

Genotype: *Anomalon* (*Trichomma*) *fulvidens* Wesmael.

Trichomma granitellae Viereck

Trichomma granitellae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. ♂.
[o.d., host *a*, Crows Landing, Calif. (U.S.N.M.)]

Trichomma epischniae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. ♀.
[o.d., host *a*, Crows Landing, Calif. (U.S.N.M.)] New synonymy.

PHYCITIDAE: *a*, *Epischnia granitella*.

Trichomma maceratum (Cresson)

Anomalon maceratum Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 368. ♂.
[o.d., Calif. (A.N.S.P.)]

Trichomma maceratum Flanders, Mo. Bull. Dept. Agr. Calif., 1930, 19: 418.
[host *a*, Calif.]

PHYCITIDAE: *a*, *Etiella zinckenella*.

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Trichomma reticulatum Davis

- Trichomma reticulata* Davis, Trans. Amer. Ent. Soc., 1898, 24: 361. ♀. [o.d., Mich. (A.N.S.P.)]
Trichomma reticulatum Dalla Torre, Cat. Hymen., 1901, 3: 174. [syn.]
Trichomma reticulata Krieger, Ztschr. Hymen. Dipt., 1904, 4: 171. [key]
Trichomma reticulata Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 65. [key, des.]
Trichomma reticulata Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [N.Y.]

APHANISTES Foerster

- Aphanistes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 145.
 Genotype: *Anomalon bellicosum* Wesmael.

Aphanistes hyalinis (Norton)

- Anomalon hyaline* Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. ♀. [o.d., Farmington, Conn. (Yale Univ.)]
Anomalon nigro-rufus Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. ♀. [o.d., N.Y. (Yale Univ.)] New synonymy.
Anomalon hyaline Provancher, Nat. Canad., 1874, 6: 174. [key, Que.]
Anomalon hyaline Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 357). [key, des., Que.]
Anomalon hyaline Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]
Anomalon nigro-rufum Provancher, Addit. Faune Canada, Hymén., 1886, p. 81. ♂, ♀. [key, des., Que.]
Anomalon nigrorufum Slosson, Ent. News, 1895, 6: 317. [N.H.]
Anomalon basilicon Davis, Trans. Amer. Ent. Soc., 1898, 24: 359. ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.
Anomalon edemae Davis, Trans. Amer. Ent. Soc., 1898, 24: 360. ♂, ♀. [o.d., host *c*, Mich. (A.N.S.P.)] New synonymy.
Anomalon nigro-rufum Nason, Ent. News, 1905, 16: 151. [Ill.]
Anomalon hyaline Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]
Anomalon nigrorufum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 88. ♂, ♀. [key, des.]
Erigorgus hyalinus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key, Conn.]
Therion hyaline Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
Paranomalon basilicon Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
Aphanistes hyalinus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
Paranomalon nigrorufum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [host *a*, N.Y.]

- Paranomalon hyalinum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
- Therion hyaline* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
- Paranomalon hyalinum* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
- Aphanistes hyalinus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 147. [biol., host *d*, Mass., R.I.]
- Aphanistes nigrorufus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 147. [biol., host *b e*, N.J., Vt.]
- Therion hyaline* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Paranomalon edemae* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- NOTODONTIDAE: a, *Datana contracta*; b, *Schizura concinna*; c, *Symmerista albifrons*.
 PHALAENIDAE: d, *Phosphila turbulenta*. ARCTIIDAE: e, *Halisidota caryae*.

***Aphanistes puparum* (Ashmead) new combination**

- Agyrpon puparum* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 424. ♀. [o.d., host *a*, Alameda, Calif. (U.S.N.M.)]
- PHALAENIDAE: a, phalaenid.

ERIGORGUS Foerster

Anomalon of authors, not of Schrank.

Camposcopus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 145.
 New synonymy.

Genotype: *Camposcopus acclerivora* Rohwer.

Erigorgus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.

Genotype: *Anomalon* (*Erigorgus*) *carinatum* Brischke.

Sympratis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.
 New synonymy.

Genotype: *Erigorgus ferrugineus* Norton. Included by Viereck, Bull. Conn. Geol. Nat. Hist. Surv. 1917, 22: 285.

Barylypa Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.
 Genotype: *Anomalon* (*Barylypa*) *genalis* Thomson.

***Erigorgus acclerivorus* (Rohwer) new combination**

Camposcopus acclerivora Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 226. ♀.
 [o.d., host *a*, Charter Oak, Pa. (U.S.N.M.)]

Camposcopus acclerivorus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 419.
 [host *b*, Me.]

TORTRICIDAE: a, *Peronea* sp. on *Castanea dentata*. PHYCITIDAE: b, *Acrobasis comptoniella*.

Erigorgus alaskensis (Ashmead) new combination

Atrometus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. ♂, ♀.
[o.d., Alaska (U.S.N.M.)]

Erigorgus ambiguus (Norton)

Anomalon ambiguus Norton, Proc. Ent. Soc. Phila., 1863, 1: 362. ♀. [o.d.,
Mass. (Yale Univ.)]

Anomalon ambiguus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Anomalon ambiguum Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Anomalon ambiguum Smith, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19:
45. [biol., host *a*]

Anomalon ambiguum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

Paranomalon ambiguum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 954. [N.Y.]

Erigorgus ambiguus? Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

ARCTIIDAE: *a*, *Hyphantria cunea*.

Erigorgus cerinops (Gravenhorst) new combination

Anomalon cerinops Gravenhorst, Ichneum. Europeae, 1829, 3: 658. ♂, ♀.
[o.d., numerous localities in Europe (?Breslau Mus.)]

Ophion (*Anomalon*) *pubescens* Zetterstedt, Ins. Lapp., 1840, p. 393. ♂. [o.d.,
Lapland, Sweden (?Copenhagen Mus.)]

Anomalon pubescens Lundbeck, Vidensk. Medd. Nat. For. Kjøbenhavn, (1896),
1897, p. 235. [des., Greenland]

Erigorgus curtus (Norton)

Anomalon curtus Norton, Proc. Ent. Soc. Phila., 1863, 1: 362. ♂. [o.d.,
Del., Me. (Yale Univ.)]

Anomalon curtum Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

Anomalon curtum Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Anomalon curtum Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Anomalon curtum Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.
[N.J.]

Anomalon curtum Howard, The Insect Book, 1902, plate 10, fig. 28.

Anomalon curtum Nason, Ent. News, 1905, 16: 151. [Ill.]

Anomalon curtum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 84. [key]

Erigorgus curtus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284.
[key]

Paranomalon curtum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
954. [N.Y.]

Erigorgus edwardsii (Cresson) new combination

Anomalon Edwardsii Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 367. ♀.
[o.d., Vancouver Is., B.C. (A.N.S.P.)]

Paranomalon edwardsii Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Erigorgus elongatus (Davis) new combination

Anomalon elongatum Davis, Trans. Amer. Ent. Soc., 1898, 24: 357. ♂, ♀. [o.d., Brookings, S.D. (A.N.S.P.), N.H.]

Anomalon bipartitana Davis, Trans. Amer. Ent. Soc., 1898, 24: 358. ♂. [o.d., Mich. (A.N.S.P.)] New synonymy.

Anomalon bipartitanum Dalla Torre, Cat. Hymen., 1901, 3: 163. [syn.]

Labrorychus elongatus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 146. [biol., host *a*, Me.]

ARCTIIDAE: *a*, *Halisidota maculata*.

Erigorgus eureka (Ashmead) new combination

Anomalon? eureka Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 423. ♀. [o.d., Placer Co., Calif. (U.S.N.M.)]

Papanomalon (!) eureka Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

Erigorgus ferrugineus (Norton)

Anomalon ferrugineus Norton, Proc. Ent. Soc. Phila., 1863, 1: 363. ♀. [o.d., Chicago, Ill. (Yale Univ.)]

Anomalon ferrugineum Dalla Torre, Cat. Hymen., 1901, 3: 165. [syn.]

Anomalon ferrugineum Nason, Ent. News, 1905, 16: 151. [Ill.]

Anomalon ferrugineum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

Erigorgus (Sympraxis) ferrugineus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 285. [key, des., Conn.]

Paranomalon ferrugineum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Erigorgus fuliginosus (Davis) new combination

Anomalon fuliginosa Davis, Trans. Amer. Ent. Soc., 1898, 24: 356. ♀. [o.d., Mich. (A.N.S.P.)]

Anomalon fuliginosum Dalla Torre, Cat. Hymen., 1910, 3: 166. [syn.]

Erigorgus luteopectus (Norton)

Anomalon luteo-pectus Norton, Proc. Ent. Soc. Phila., 1863, 1: 363. ♂. [o.d., Farmington, Conn. (Yale Univ.)]

Anomalon luteopectum Dalla Torre, Cat. Hymen., 1901, 3: 167. [syn.]

Anomalon luteopectum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

Erigorgus luteopectum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]

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Erigorgus magniceps (Cresson) new combination

Anomalon magniceps Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. ♀.
[o.d., Dallas Co., Tex. (A.N.S.P.)]

Erigorgus paeneferrugineus (Viereck) new combination

Anomalon paeneferrugineum Viereck, Trans. Kans. Acad. Sci., 1905, 19: 310.
♀. [o.d., Wallace Co., Kans., 3000 ft. (Univ. Kans.)]

Erigorgus propinquus (Cresson) new combination

Anomalon propinquum Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. ♂.
[o.d., Colo. (A.N.S.P.)]

Paranomalon propinquum Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41.
[host a]

Paranomalon propinquum Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151.
[Ia.]

PHALAENIDAE: a, *Feltia ducens*.

Erigorgus provancheri (Dalla Torre) new combination

Anomalon unicolor Provancher, Addit. Faune Canada, Hymén., 1886, p. 82.
♀. [key, o.d., Becancour, Que. (M.P.Q.)] Preoccupied by Ratzeburg,
1874.

Anomalon provancheri Dalla Torre, Cat. Hymen., 1901, 3: 169. [new name for
Anomalon unicolor Provancher]

Anomalon unicolor Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

Erigorgus rotundus (Davis) new combination

Anomalon rotundus Davis, Trans. Amer. Ent. Soc., 1898, 24: 360. ♂. [o.d.,
Lawrence, Kans. (A.N.S.P.)]

Anomalon rotundum Dalla Torre, Cat. Hymen., 1901, 3: 170. [syn.]

Erigorgus rufulus (Provancher)

Anomalon rufulum Provancher, Addit. Faune Canada, Hymén., 1886, p. 80.
♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]

Anomalon rufulum Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Anomalon rufulum Davis, Canad. Ent., 1895, 27: 289. [syn.]

Anomalon rufulum Slosson, Ent. News, 1895, 5: 4. [N.H.]

Anomalon rufulum Dalla Torre, Cat. Hymen., 1901, 3: 170. [syn.] In part.

Anomalon rufulum Nason, Ent. News, 1905, 16: 151. [Ill.]

Erigorgus (*Agrypon*) *rufulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 284. [key, Conn.]

Erigorgus semirufus (Norton)

Anomalon semi-rufus Norton, Proc. Ent. Soc. Phila., 1863, 1: 362. ♀. [o.d.,
Albany, N.Y. (Yale Univ.)]

Anomalon semirufum Provancher, Addit. Faune Canada, Hymén., 1886, p. 79.
♀. [key, des., Ont.]

Anomalon semirufum Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.
[N.J.]

Anomalon semirufum Viereck, Trans. Amer. Ent. Soc., 1906, 32: 243. [des.,
Wyo.]

Anomalon semirufum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

Erigorgus semirufus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284.
[key]

Paranomalon semirufus Johnson, Biol. Surv. Mt. Desert Région, 1927, 1: 133.
[Me.]

Paranomalon semirufum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 954. [N.Y.]

Paranomalon semirufum Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151.
[Ia.]

Erigorgus smithii (Davis) new combination

Anomalon smithii Davis, Trans. Amer. Ent. Soc., 1898, 24: 357. ♂. [o.d.,
New Brunswick, N.J. (A.N.S.P.)]

Erigorgus surburbis (Davis) new combination

Anomalon suburbe Davis, Trans. Amer. Ent. Soc., 1898, 24: 358. ♂, ♀.
[o.d., Julietta, Ida. (A.N.S.P.)]

Habronyx suburbe Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Erigorgus sulcatus (Provancher) new combination

Podogaster sulcatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 90.
♀. [o.d., Ottawa, Ont. (M.P.Q.)]

Anomalon sulcatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Podogaster sulcata Dalla Torre, Cat. Hymen., 1901, 3: 123. [syn.]

Erigorgus xanthopsis (Ashmead) new combination

Anomalon xanthopsis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 423. ♂.
[o.d., Placer Co., Calif. (U.S.N.M.)]

LABRORYCHUS Foerster

Labrorychus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.

Genotype: (*Labrorychus anaitidis* Szépligeti) = *tenuicornis* Gravenhorst.

Labrorychus aestivalis Viereck

Labrorychus aestivalis Viereck, Psyche, 1921, 28: 79. ♀. [o.d., Chain Bridge,
Va. (M.C.Z.)]

Labrorychus alpinus (Davis) new combination

Anomalon alpinus Davis, Trans. Amer. Ent. Soc., 1898, 24: 360. ♀. [o.d., Mt. Craig, Ida. (A.N.S.P.)]

Anomalon alpinum Dalla Torre, Cat. Hymen., 1901, 3: 162. [syn.]

Labrorychus analis (Say)

Ophion analis Say, Contrib. MacLurean Lyceum Arts Sci., 1829, 1: 75; (Leconte Ed., 1: 379). ♀. [o.d., Ind. (M.C.Z.)]

Ophion analis Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

Anomalon analis Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. ♀. [des., Kans., Mass., N.Y.]

Anomalon anale Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 357). ♂, ♀. [key, des., Que.]

Anomalon anale Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]

Anomalon anale Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Anomalon anale Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]

Anomalon anale Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 208-209. [biol., host *d*, N.H.]

Anomalon anale Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 87. [key, D.C.]

Erigorgus analis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key, Conn.]

Labrorychus analis Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 168. [syn.]

Labrorychus analis Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Erigorgus anale Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

Labrorychus analis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [host *c*, N.Y.]

Labrorychus analis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 145. [biol., host *a b e f g*, New England, N.J., N.Y.]

Labrorychus analis Beaulne, Nat. Canad., 1939, 66: 95. [host *a*, Que.]

LASIOCAMPIDAE: *a*, *Malacosoma americanum*; *b*, *Malacosoma disstria*; *c*, *Malacosoma fragile*; *d*, *Malacosoma* sp. LYMANTRIIDAE: *e*, *Hemerocampa leucostigma*. NOTODONTIDAE: *f*, *Ichthyura inclusa*. ARCTIIDAE: *g*, *Cynia tenera*.

Labrorychus borealis (Ashmead)

Agrypon boreale Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 424. ♀. [o.d., Fort McLeod, B.C. (U.S.N.M.)]

Labrorychus borealis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]

Labrorychus borealis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

Labrorychus chlamidatus (Provancher)

Anomalon chlamidatum Provancher, Addit. Faune Canada, Hymén., 1886, p. 82.

♀. [key, o.d., Cap Rouge, Que. (M.P.Q.), Ont.]

Anomalon rufulum Dalla Torre, Cat. Hymen., 1901, 3: 170. [syn.] In part.

Atrometus flavifrons Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

Labrorychus chlamidatum Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 16.

[syn.]

Agrypon chlamidatum Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Agrypon chlamidatum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:

953. [N.Y.]

Labrorychus filiformis (Provancher) new combination

Anomalon filiforme Provancher, Addit. Faune Canada, Hymén., 1886, p. 83.

♂, ♀. [key, o.d., Becancœur, Que. (M.P.Q.)]

Paranomalon filiforme Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:

954. [N.Y.]

Erigorgus filiforme? Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

Labrorychus melleus (Cresson) new combination

Anomalon melleum Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. ♀. [o.d.,

Bosque Co., Tex. (U.S.N.M.)]

Agrypon melleum Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. [syn.]

Labrorychus metallicus (Norton) new combination

Anomalon metallicus Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. ♀. [o.d.,

Mass. (Yale Univ.)]

Anomalon metallicum Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. [Tex.]

Agrypon metallicum Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Anomalon metallicum Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.

[N.J.]

Anomalon metallicum Dalla Torre, Cat. Hymen., 1901, 3: 168. [syn.]

Anomalon metallicum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

Erigorgus metallicum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:

284. [key]

Labrorychus prismaticus (Norton)

Anomalon prismaticus Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. ♀. [o.d.,

Mass., Conn. (Yale Univ.)]

Anomalon prismaticus Provancher, Nat. Canad., 1874, 6: 174. [key, Que.]

Anomalon prismaticum Provancher, Nat. Canad., 1879, 11: 143; (Faune, p.

358). ♂, ♀. [key, des., Que.]

Anomalon prismaticum Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Anomalon prismaticum Provancher, Addit. Faune Canada, Hymén., 1886, p. 79.

[key]

- Anomalon prismaticum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [syn.]
Labrorychus prismaticus Johnson, Psyche, 1916, 23: 81. [host *a*, Vt.]
Erigorgus prismaticum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]
Erigorgus prismaticus Baird, Agr. Gaz. Canada, 1918, 5: 468. [biol., host *a*, Canada]
Erigorgus prismaticus Baird, Agr. Gaz. Canada, 1918, 5: 768. [des., biol., host *a*, N.B.]
Labrorychus prismaticus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
Labrorychus prismaticus Poos, Ohio Jour. Sci., 1927, 27: 83. [host *b*, Ohio]
Labrorychus prismaticus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
Labrorychus prismaticus Beaulne, Nat. Canad., 1939, 66: 95. [host *a*, Que.]
 TORTRICIDAE: *a*, *Archips cerasivorana*. PYRAUSTIDAE: *b*, *Pyrausta penitalis*.

Labrorychus pseudargioli (Howard) new combination

- Anomalon pseudargioli* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1881. ♀. [o.d., host *a b*, type locality not given (U.S.N.M.)]
Erigorgus pseudargioli Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]
Agrypon pseudargioli Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
 LYCAENIDAE: *a*, *Lycaenopsis pseudargiolus*; *b*, *Strymon melinus*.

ATROMETUS Foerster

- Atrometus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.
 Genotype: *Atrometus insignis* Foerster.

Atrometus clavipes (Davis)

- Anomalon clavipes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 359. ♂. [o.d., Mich. (A.N.S.P.)]
Paranomalon clavipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
Atrometus clavipes Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *c*, Ont.]
Atrometus clavipes Daviault, Nat. Canad., 1935, 62: 245. [host *a*, Que.]
Atrometus clavipes Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *c*, Ohio]
Atrometus clavipes Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *b*, Canada]

OECOPHORIDAE: a, *Psilocorsis* sp. TORTRICIDAE: b, *Peronea variana*. OLETHREUTIDAE: c, *Grapholitha molesta*.

Atrometus evetrivorus (Rohwer) new combination

Podogaster evetrivorus Rohwer, Proc. Ent. Soc. Wash., 1914, 16: 142. ♂, ♀.
[o.d., host a, Fort Bayard, N.M. (U.S.N.M.)]

OLETHREUTIDAE: a, *Rhyacionia* sp. in *Pinus ponderosa*.

Atrometus praediscae (Ashmead) new combination

Argypon (!) *praediscae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 190. ♂, ♀.
[o.d., host a, St. Louis, Mo. and Fortress Monroe, Va. (U.S.N.M.)]

Agrypon praediscae (!) Slosson, Ent. News, 1902, 13: 5. [N.H.]

Anomalon paediscae (!) Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 620.
[syn.]

OLETHREUTIDAE: a, "*Paedisca*" sp.

Unplaced species of Aphanistina

I have been unable to make a satisfactory generic placement of the following species of Aphanistina.

Anomalon apicale (Cresson)

Cremastus fulvescens var. *apicalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 286.
♀. [o.d., Colo. (A.N.S.P.)]

Cremastus fulvescens var. *seminiger* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 286. ♂, ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Anomalon apicale Riley, Ann. Rpt. Insects Mo., 1877, 9: 55. [host a]

Anomalon apicaule (!) Atkinson, Bull. S.C. Agr. Exp. Sta., 1889, 4: 88. [host b, S.C.]

Anomalon apicola (!) Riley and Howard, Insect Life, 1890, 1: 155. [host a, Fla., Kans., Tex.]

Anomalon apicale Howard, The Insect Book, 1902, plate 9, fig. 9.

Anomalon fulvescens var. *hemimelas* Viereck, Trans. Kans. Acad. Sci., 1905, (♀). [o.d., Hamilton Co., Kans. 3350 ft. (Univ. Kans.), Colo.] New synonymy.

Habronyx apicalis Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

Labrorychus apicalis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

PHALAENIDAE: a, *Prototeuclania albilinea*. Miscellaneous: b, medium-sized hairy caterpillar.

Anomalon clavatum Davis

Anomalon clavatum Davis, Trans. Amer. Ent. Soc., 1898, 24: 357. ♀. [o.d., S.D. (A.N.S.P.)]

MEM. AMER. ENT. SOC., 11 pt. 2.

Anomalon exile Provancher

Anomalon exile Provancher, Nat. Canad., 1874, 6: 175. ♀. [key, o.d., Que. (M.P.Q.)]

Anomalon exile Provancher, Nat. Canad., 1879, 11: 144; (Faune, p. 358). [key, des.]

Anomalon exile Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]

Anomalon exile Slosson, Ent. News, 1898, 9: 253. [N.H.]

Anomalon exile Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host a, N.H.]

Anomalon exile Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 208-209. [biol., host b, N.H.]

Anomalon exile Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 144, 147-149. [biol., host b c, Mass.]

Erigorgus exilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]

Paranomalon exile Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Paranomalon exilis Brimley, Insects of N.C., 1938, p. 415. [N.C.]

PHYCITIDAE: a, *Acrobasis rubrifasciella*. LASIOCAMPIDAE: b, *Malacosoma* sp. LY-MANTRIIDAE: c, *Nygmia phaeorrhea*.

Anomalon fulvescens (Cresson)

Cremastus fulvescens Cresson, Proc. Ent. Soc. Phila., 1865, 4: 285. ♂, ♀. [o.d., Colo. (A.N.S.P.)]

Anomalon fulvescens Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. [des., Tex.]

Anomalon orbitale Cresson

Anomalon orbitalis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. ♂. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Anomalon orbitale Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 87. ♀. [key, des., Tex.]

Anomalon pallitarse Cresson

Anomalon pallitarse Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. ♂. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Anomalon pallitarse Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Anomalon palliditarse Dalla Torre, Cat. Hymen., 1901, 3: 168. [emendation of *Anomalon pallitarse* Cresson]

Anomalon verbosum Cresson

Anomalon verbosum Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 368. ♂, ♀. [o.d., Calif. (A.N.S.P.)]

Cremastus nigricans Cresson, new combination

Cremastus fulvescens var. *nigricans* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 286. ♀. [o.d., Colo. (A.N.S.P.)]

Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 5. THERIONINA

THERION Curtis

Therion Curtis, Guide Brit. Ins., 1829-30, (4), p. 101.

Genotype: *Ichneumon circumflexus* Linnaeus.

Therion Agassiz, Nom. Zool., 1846, Index Univ., p. 368. [emendation of *Therion* Curtis]

Exochilum Wesmael, Bull. Acad. Sci. Belg., 1850, 16: 119, 122.

Genotype: *Ichneumon circumflexus* Linnaeus.

Therion californicum (Cresson) new combination

Anomalon californicum Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 367. ♀. [o.d., Calif. (A.N.S.P.)]

Heteropelma longipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 120, 363. ♂. [o.d., Calif. (M.P.Q.)] New synonymy.

Anomalon simile Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 423. ♀. [o.d., Los Angeles, Calif. (U.S.N.M.)] New synonymy.

Anomalon? longipes Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Therion circumflexum (Linnaeus)

Ichneumon circumflexus Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 566. [o.d., Europe (Linnean Soc. Coll.)]

Anomalon ambiguus Provancher, Nat. Canad., 1874, 6: 174. [key, Que.] Misdetermined.

Exochilum occidentale Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 366. ♀. [o.d., Ore. (A.N.S.P.), Colo.] New synonymy.

Anomalon nigrum Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 356). ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Anomalon nigrum Taylor, Canad. Ent., 1884, 16: 91. [host a, B.C.]

Exochilum nigrum Provancher, Addit. Faune Canada, Hymén., 1886, p. 78. [des.]

Exochilum nigrum Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Exochilum occidentale Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Exochilum nigrum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 75. [key]

Exochilum circumflexum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 76. [key, syn., Hudson Bay]

- Exochilum occidentale* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 79. [key, des.]
- Therion occidentalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Therion occidentale* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
- Therion circumflexum* Uchida, Jour. Faculty Agr. Hokkaido Imp. Univ., 1932, 33: 140. [syn.]
- Exochilum circumflexum* Peck, Canad. Jour. Res., 1937, D, 15: 247, 251. [fig. ♂ genitalia]
- Therion nigrum* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

PHALAEINIDAE: a, phalaenid.

***Therion confusum* (Ashmead) new combination**

- Schizoloma confusa* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 426. ♀. [o.d., S.C. (U.S.N.M.)]
- Exochilum acronyctae* Riley and Howard, Insect Life, 1890, 3: 155. [host a b, Calif., Va. Nomen nudum.]
- Exochilum acronyctae* * Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 190. ♀. [o.d., host a b, Washington, D.C. (U.S.N.M.), Calif.] New synonymy.
- Exochilum acronyctae* Slosson, Ent. News, 1898, 9: 253. [N.H.]
- Exochilum acronyctae* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [Pa.]
- Schizoloma confusa* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 66. [key, des.]
- Exochilum acronyctae* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [key, des.]
- PHALAEINIDAE: a, *Acronicta hastulifera*; b, *Merolonche lupini*.

***Therion fuscipenne* (Norton)**

- Exochilum fuscipennis* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. ♀. [o.d., Washington, D.C. (Yale Univ.)]
- Exochilum fuscipennis* Provancher, Nat. Canad., 1874, 6: 176. [des., Que.]
- Exochilum fuscipenne* Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 355). [key, des., fig.]
- Exochilum fuscipenne* Provancher, Nat. Canad., 1879, 11: 268. [Que.]
- Exochilum fuscipenne* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]
- Exochilum fuscipennis* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [key, des.]
- Exochilum fuscipenne* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Therion fuscipenne* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [key]

* Ashmead described *Exochilum acronyctae* from two females, one from Placer Co., Calif. and the other from Washington, D.C. They do not appear to be conspecific. The specimen from Washington, D.C. is hereby designated lectotype.

Exochilum fuscipennis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]

Therion fuscipenne Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Therion fuscipennis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133.
[Me.]

Therion fuscipenne Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
954. [host *a b c e*, N.Y.]

Therion fuscipenne Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Therion fuscipenne Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.
2: 104. [Mass.]

Therion fuscipennis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,
188: 147. [biol., host *d*, Me.]

Therion fuscipenne Brimley, Insects of N.C., 1938, p. 415. [N.C.]

PHALAENIDAE: *a*, *Acronicta americana*; *b*, *Acronicta hastulifera*; *c*, *Acronicta hesperida*;
d, *Acronicta impressa*; *e*, *Merolonche lupini*.

Therion morio (Fabricius)

Ichneumon morio Fabricius, Spec. Insect., 1781, 1: 436. [o.d., North America
(British Mus.)]

Ophion morio Fabricius, Suppl. Ent. System., 1798, p. 237. [des.]

Ophion mundus Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585.
[Mass.] Nomen nudum.

Ophion mundus Say, Boston Jour. Nat. Hist., 1836, 1: 239; (Leconte Ed., 2:
695). ♂. [o.d., Ind. (type destroyed)]

Anomalon flavipes Brullé, Hist. Nat. Insectes Hymen., 1846, 4: 170. ♂, ♀.
[o.d., Mexico (Paris Mus.)]

Ophion mundus Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 196. [des., fig.,
N.Y.]

Ophion mundus Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 169. [des.,
biol., Mass.]

Exochilum mundum Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. [syn., Ia.,
Lake Superior, New England, N.Y., Pa.]

Exochilum mundum Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

Anomalon nigripennis Provancher, Nat. Canad., 1874, 6: 173. ♂, ♀. [key,
o.d., Que. (M.P.Q.)]

Exochilum mundum Provancher, Nat. Canad., 1879, 11: 120; (Faune, p. 354).
♂, ♀. [key, syn., des.]

Exochilum mundum Howard, in Scudder: Butterflies of Eastern U. S. and
Canada, 1889, 3: 1881. [des., host *i j*]

Exochilum mundum Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Exochilum mundum Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]

Exochilum mundum Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Exochilum mundum Kirkland, Canad. Ent., 1893, 25: 312. [biol., host *h*, Mass.]

Exochilum mundum Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.
[host *a*, N.J., N.Y.]

- Exochilum mundum* Howard, The Insect Book, 1902, plate 10, fig. 13, 14.
Exochilum mundum Viereck, Trans. Kans. Acad. Sci., 1905, 19: 310. [Kans.]
Exochilum mundum Nason, Ent. News, 1905, 16: 151. [Ill.]
Thyreodon morio Morley, Ent., 1909, 42: 136. [notes on the type, Mass., Mexico, N.H., N.Y.]
Exochilum mundum Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 620. [N.J.]
Exochilum mundum Fyles, Ann. Rpt. Ent. Soc. Ont., 1912, 42: 36. [host *b*, Que.]
Exochilum morio Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 73. [key, des., England, Mass., Mexico, N.H., N.Y.]
Exochilum mundum Hewitt, Rpt. Exp. Farms Canada for 1913-14, 1915, p. 861. [host *h*, N.B.]
Exochilum mundum Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
Therion morio Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 286. [key, Conn.]
Therion morio Tothill, Bull. Canad. Dept. Agr., 1922, (n.s.), 3: 59-74. [des., fig., biol., host *h*, morphology, N.B., N.S.]
Therion morio Gahan, Jour. Wash. Acad. Sci., 1922, 12: 214. [syn.]
Therion morio Gorham, Proc. Acadian Ent. Soc., 1923, 8: 20. [host *h*, N.B.]
Therion morio Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
Therion morio Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, 43. [biol., plate 6, fig. 41, 42, 44]
Therion morio Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [host *j*, N.Y.]
Therion morio Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
Therion morio Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont.]
Therion morio Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 147. [biol., host *c d e f g*, Me., Mass., N.H., N.J., N.Y., Pa.]
Therion morio Brimley, Insects of N.C., 1938, p. 415. [N.C.]
Therion morio Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 416. [Me.]
Therion morio Snodgrass, Smithsonian Misc. Coll., 1941, 99, no. 14: 33, 34. [fig., morphology]

GEOMETRIDAE: *a*, *Cingilia catenaria*. NOTODONTIDAE: *b*, *Datana angusii*. PHALAENIDAE: *c*, phalaenid. ARCTIIDAE: *d*, *Cynia inopinata*; *e*, *Diacrisia virginica*; *f*, *Estigmene acrea*; *g*, *Halisidota maculata*; *h*, *Hyphantria cunea*. NYMPHALIDAE: *i*, *Vanessa cardui*. PAPILIONIDAE: *j*, *Papilio marcellus*.

***Therion neglectum* (Morley) new combination**

- Exochilum neglectum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 76. ♂, ♀.
[key, o.d., Hudson Bay (British Mus.), N.S.]

***Therion nigrovarium* (Brullé)**

- Anomalus nigrovarium* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 172. ♀.
[o.d., N. Amer. (Paris Mus.)]

- Exochilum nigrovarium* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. [Conn.]
Exochilum nigrovarium Cresson, Trans. Amer. Ent. Soc., 1872, 2: 170. [Tex.]
Exochilum nigrovenarium (!) Slosson, Ent. News, 1897, 8: 237. [N.H.]
Exochilum nigrovarium Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
Exochilum nigrovarium Viereck, Ann. Rpt. N.J. Mus. für 1909, 1910, p. 620. [N.J.]
Therion nigrovarium Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [key]

***Therion petiolatum* (Davis)**

- Exochilum petiolatum* Davis, Trans. Amer. Ent. Soc., 1898, 24: 356. ♂, ♀. [o.d., S.D. (A.N.S.P.)]
Exochilum petiolatum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [syn.]
Therion petiolatum Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host *a*, Mass., R.I.]
 PHALAEINIDAE: *a*, *Phosphila turbulenta*.

***Therion sassacus* Viereck**

- Therion sassacus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. (♀). [o.d. in key, Windsor, Conn. (U.S.N.M.)]
Therion waccagum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. (♂). [o.d. in key, North Haven, Conn. (U.S.N.M.)] New synonymy.
Therion sassacus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
Therion sassacus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host *a c*, Me., Mass., N.J., N.Y., R.I., Vt.]
Therion waccagum Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host *a b*, N.J.]
Therion sassacus Brown, Canad. Ent., 1934, 66: 262. [Ont.]
 ARCTIIDAE: *a*, *Cycnia inopinata*; *b*, *Cycnia tenera*; *c*, *Hyphantria cunea*.

***Therion tenuipes* (Norton)**

- Exochilum tenuipes* Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. ♀. [o.d., Conn. and Mass. (Yale Univ.)]
Exochilum tenuipes Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, Mo., N.J., Tex.]
Exochilum tenuipes Slosson, Ent. News, 1898, 9: 253. [N.H.]
Exochilum tenuipes Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 73. [key, des., Conn., Mass., N.H.]
Therion tenuipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [key]
Exochilum tenuipes Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Therion tenuipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954.
[host *a*, N.Y.]

Therion tenuipes Brimley, Insects of N.C., 1938, p. 415. [N.C.]

ARCTIIDAE: *a*, *Diacrisia virginica*.

Therion texanum (Ashmead)

Exochilum texanum Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 426. ♂. [o.d.,
Tex. (U.S.N.M.)]

Exochilum texanum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [key, des.,
Calif., Mexico]

Therion texanum Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Therion varicolor (Viereck) new combination

Exochilum varicolor Viereck, Trans. Amer. Ent. Soc., 1903, 29: 89. ♂. [o.d.,
Beulah, N.M. (A.N.S.P.)]

Exochilum variicolor (!) Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 76. [syn.]

Therion verticale (Morley) new combination

Exochilum verticale Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 78. ♀. [key,
o.d., Hudson Bay (British Mus.)]

HETEROPELMA Wesmael

Heteropelma Wesmael, Bull. Acad. Sci. Belg., 1850, 16: 119, 120.

Genotype: *Anomalon* (*Heteropelma*) *calcator* Wesmael.

Heteropelma datanae Riley

Heteropelma datanae Riley, Insect Life, 1888, 1: 177. ♀. [o.d., host *a*, no
locality given (U.S.N.M.)]

Heteropelma datanae Riley and Howard, Insect Life, 1890, 3: 155. [host *b*,
D.C.]

Heteropelma datanae Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 69. [key,
des.]

Heteropelma datanae Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 285.
♀. [des.]

Heteropelma datanae Gray, Bull. Ark. Agr. Exp. Sta., 1926, 203: 33. [host *a*,
Ark.]

Heteropelma datanae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
953. [N.Y.]

Heteropelma datanae Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,
188: 145. [biol., host *a*, N.J., Pa.]

Heteropelma datanae Brimley, Insects of N.C., 1938, p. 415. [N.C.]

NOTODONTIDAE: *a*, *Datana integerrima*; *b*, *Datana* sp. on *Juglans* sp.

Heteropelma fulvicorne new name

Anomalon flavicorne Brullé, Hist. Nat. Insect. Hymen., 1846, 4: 171. ♀.

[o.d., fig., Philadelphia, Pa. (Paris Mus.)] Preoccupied by Say, 1823.

Heteropelma flavicorne Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. [Conn., Pa.]

Anomalon flavicorne Riley, Ann. Rpt. Insects Mo., 1871, 3: 69. [host f]

Heteropelma flavicorne Provancher, Nat. Canad., 1874, 6: 176. [Que.]

Heteropelma flavicorne Provancher, Nat. Canad., 1879, 11: 122; (Faune, p. 355). [des.]

Heteropelma flavicornis Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]

Heteropelma flavicorne Riley and Howard, Insect Life, 1890, 3: 155. [host e, D.C.]

Heteropelma flavicornis Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Exochilum flavicorne Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Heteropelma flavicornis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [host g, N.J., N.Y.]

Heteropelma flavicornis Howard, The Insect Book, 1902, plate 10, fig. 18.

Heteropelma fulvicorne (!) Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 68. [key, des., N.H., N.Y.] Misdetermined.

Heteropelma flavicornis Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Heteropelma flavicorne Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 285. [des., fig., Conn.]

Heteropelma flavicornis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Heteropelma flavicorne Bradley, Bull. Lloyd Libr., 1926, 21: 171. [N.Y.]

Heteropelma flavicorne Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]

Heteropelma flavicorne Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 145. [biol., host a b c d, Me., N.J., N.Y., R.I.]

Heteropelma flavicorne Brimley, Insects of N.C., 1938, p. 415. [N.C.]

NOTODONTIDAE: a, *Datana contracta*; b, *Datana integerrima*; c, *Datana ministra*; d, *Datana perspicua*; e, *Datana* sp. on *Hammamelis virginiana*. ARCTIIDAE: f, *Diacrisia virginica*. SPHINGIDAE: g, *Sphinx luscitiosa*.

Subfamily 11. OPHIONINAE

Tribe 5. OPHIONINI

OPHION Fabricius

Ophion Fabricius, Ent. System., 1798, suppl.: 210, 235.

Genotype: *Ichneumon luteus* Linnaeus.

Paniscus Schrank, Fauna Boica, 1802, 2, pt. 2: 316.

Genotype: *Ichneumon luteus* Linnaeus.

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Genophion Felt, Bull. N.Y. State Mus., 1903, 76: 123.

Genotype: *Genophion gilletti* Felt.

Neophion Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 4, 30. New synonymy.

Genotype: *Neophion crassus* Morley.

Ophiogastrella Brues, Ann. Ent. Soc. Amer., 1912, 5: 201. New synonymy.

Genotype: *Ophiogastrella maculithorax* Brues.

***Ophion abnormus* (Felt)**

Ophion abnormum Felt, Bull. N.Y. State Mus., 1904, 76: 121. ♀. [key, o.d., fig., Colo. (N.Y. State Mus.)]

Eremotylus felti Viereck, Trans. Kans. Acad. Sci., 1905, 19: 312. ♀. [o.d., Hamilton Co., Kans. 3350 ft. (Univ. Kans.), Colo.] New synonymy.

Ophion abnormis (!) Hooker, Trans. Amer. Ent. Soc., 1912, 38: 47. [key, des., fig.]

Ophion abnormis (!) Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Ophion abnormis (!) Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

***Ophion ancyloneura* Cameron ***

Ophion ancyloneura Cameron, Biol. Centr.-Amer., 1886, Hymen., 1: 294. ♀. [o.d., fig., Capetillo, Guatemala (British Mus.)]

***Ophion bifoveolatus* Brullé**

Ophion bifoveolatus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 138. [o.d., N. Amer. (Paris Mus.)]

Ophion bifoveolatus Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. ♂, ♀. [des., Ark., Ill., Md., N.Y., "Red River"]

Ophion bifoveolatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

Ophion bifoveolatus Cresson, Trans. Ent. Soc. Phila., 1872, 4: 169. [Tex.]

Ophion nigrivarius Provancher, Nat. Canad., 1874, 6: 104. ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Ophion bifoveolatus Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]

Ophion bifoveolatus Provancher, Nat. Canad., 1879, 11: 118; (Faune, p. 351). ♂, ♀. [key, des.]

Ophion nigrovarius Provancher, Nat. Canad., 1879, 11: 118; (Faune, p. 351). ♂, ♀. [key, des.]

Ophion nigrovarius Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Ophion bifoveolatum Riley, Proc. Ent. Soc. Wash., 1891, 2: 134. [host *a*]

Ophion bifoveolatum Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ophion bifoveolatum Slosson, Ent. News, 1894, 5: 4. [N.H.]

Ophion bifoveolatum Forbes, Rpt. State Ent. Ill. on Noxious and Beneficial Insects of Ill., 1894, 18: 125. [host *b*, Ill.]

* Specimens in the Townes Collection are from Brazil, Iowa, N.Y., N.C., S.C., Tenn., Tex., Venezuela, and Va.

- Ophion bifoveolatum* Forbes, Bull. Ill. Agr. Exp. Sta., 1896, 44: 272. [host *b*, Ill.]
- Ophion bifoveolatus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *c*, N.H.]
- Ophion bifoveolatum* Felt, Bull. N.Y. State Mus., 1904, 76: 119. [key, des., fig., biol., D.C., Mass., N.J., N.Y., Ont., Tex.]
- Ophion nigrovarium* Felt, Bull. N.Y. State Mus., 1904, 76: 121. [key, des.]
- Ophion bifoveolatus* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Ophion bifoveolatum* Forbes, Bull. Ill. Agr. Exp. Sta., 1907, 116: 473. [biol., host *b*, Ill.]
- Ophion bifoveolatum* Forbes, Rpt. State Ent. Ill. on Noxious and Beneficial Insects of Ill., 1908, 24: 161. [des., biol., host *b*, Ill.]
- Ophion bifoveolatum* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
- Ophion bifoveolatus nigrovarius* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 28. [key, des.]
- Ophion bifoveolatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 33. [key, des., biol., host *a d*, Calif., Ill., Mexico, Mont., N.H., Ont., Pa.]
- Ophion nigrovarius* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]
- Ophion bifoveolatus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 59. [key, des., Ga.]
- Ophion (Ophion) bifoveolatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key]
- Ophion bifoveolatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Ophion bifoveolatum* Davis, Bull. Ill. Nat. Hist. Surv., 1919, 13: 85. [fig., biol., host *b*, Ill.]
- Ophion bifoveolatum* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Ophion bifoveolatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]
- Ophion bifoveolatum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]
- Ophion bifoveolatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
- Ophion bifoveolatum* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
- Ophion bifoveolatum* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

SCARABAEIDAE: *a*, *Phyllophaga fusca*; *b*, *Phyllophaga* sp. ARCTIIDAE: *c*, arctiid.
SATURNIIDAE: *c*, *Callosamia promethea*.

***Ophion bilineatus* Say**

- Ophion bilineatus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 75; (Leconte Ed., 1: 378). [o.d., Ind. (type destroyed)]
- Ophion bilineatum* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]
- Ophion bilineatus* Say, Boston Jour. Nat. Hist., 1836, 1: 240; (Leconte Ed., 2: 695). [des.]

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- Ophion bilineatus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. [Lake Superior, Lake Winnipeg, Md., New England, N.Y.]
- Ophion bilineatus* Riley, Ann. Rpt. Insects Mo., 1871, 3: 69. [host *m*]
- Ophion bilineatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. [Tex.]
- Ophion bilineatus* Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]
- Ophion bilineatus* Cresson, Rpt. Wheeler Explor. (Eng. Dept. U. S. Army), 1875, Zool., 5: 706. [Nev.]
- Ophion bilineatus* Provancher, Nat. Canad., 1879, 11: 117; (Faune, p. 351). ♂, ♀. [key, des., fig.]
- Ophion bilineatus* Saunders, Insects Injurious to Fruits, 1883, p. 273. [fig., host *m*]
- Ophion bilineatum* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Ophion bilineatus* Provancher, Nat. Canad., 1887, 16: 34. [Que.]
- Ophion bilineatus* Lintner, Rpt. Injurious and Other Insects N.Y., 1888, 4: 205. [N.Y.]
- Ophion bilineatus* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1880. [syn., des.] In part.
- Ophion bilineatus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Ophion bilineatus* Riley and Howard, Insect Life, 1890, 3: 155. [host *b i*, Colo., D.C., Fla., La., Mich., Mo., Mont., Tex., Va.]
- Ophion bilineatum* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]
- Ophion bilineatum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ophion bilineatum* Riley, N. Amer. Fauna, 1893, 7: 247. [Calif.]
- Ophion bilineatum* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ophion bilineatum* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 30. [biol., D.C.]
- Ophion bilineatum* Harrington, Canad. Ent., 1897, 29: 44. [des., B.C.]
- Ophion bilineatum* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ophion bilineatum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J., N.Y.]
- Ophion bilineatum* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. [Alaska]
- Ophion bilineatum* Howard, The Insect Book, 1902, plate 10, fig. 17.
- Ophion bilunatus* (!) Viereck, Trans. Amer. Ent. Soc., 1903, 29: 89. [N.M.]
- Ophion bilineatus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1904, 34: 58. [host *a*, Ont.]
- Ophion bilineatum* Felt, Bull. N.Y. State Mus., 1904, 76: 114. [key, des., fig., biol., N.Y.]
- Ophion bilineatum* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Ophion bilineatum* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 313. [Kans.]
- Ophion bilineatum* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Ophion bilineatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
- Ophion bilineatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 41. [key, syn., des., biol., host *j n*, Alaska, Argentina, Ark., Brazil, B.C., British Honduras, Calif., Chile, Colo., Conn., Del., Ind., Jamaica, Kans., Mexico, Mich., Mont., N.H., N.Y., Ohio, Pa., Porto Rico, Santo Domingo, Wash., Wyo., Va.] In part.

Ophion (Ophion) bilineatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, Conn.]

Ophion bilineatus Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172, 174. [fig., Minn.]

Ophion bilineatum Brues, Rpt. Canad. Arctic Exped. 1913-18, 1919, 3, pt. G: 23. [N.W. Terr.]

Ophion bilineatus Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host g h, Tex.]

Ophion bilineatum Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Ophion bilineatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Ophion bilineatum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]

Ophion bilineatum Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

Ophion bilineatum Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 61-63. [biol., host h, Ala., S.C., Tex.]

Ophion bilineatum Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host b c d f j k l]

Ophion bilineatus Vickery, Tech. Bull. U. S. Dept. Agr., 1929, 138: 39-42. [biol., host g h, Tex.]

Ophion bilineatum Hinds and Osterberger, Jour. Econ. Ent., 1931, 24: 1172. [host e, La.]

Ophion bilineatum Brown, Canad. Ent., 1934, 66: 262. [Ont.]

Ophion bilineatum Brimley, Insects of N.C., 1938, p. 414. [N.C.]

NOTODONTIDAE: a, *Heterocampa manteo*. PHALAENIDAE: b, *Agrotis gladiaria*; c, *Agrotis ypsilon*; d, *Amathes c-nigrum*; e, *Anticarsia gemmatilis*; f, *Feltia ducens*; g, *Laphygma exigua*; h, *Laphygma frugiperda*; i, ?*Metaxaglaea inulta*; j, *Prodenia eridania*; k, *Prodenia ornithogalli*; l, *Rusina bicolorago*. ARCTIIDAE: m, *Diacrisia virginica*. SATURNIIDAE: n, *Samia cecropia*.

***Ophion chilensis* Spinola ***

Ophion chilensis Spinola, in Gay: Hist. Fisica y Politica Chile, 1851, Zool., 6: 515. ♀. [o.d., Chile (location of type unknown)]

Ophion chilensis Glover, Ent. News, 1928, 39: 317. [biol., Calif.]

***Ophion costalis* Cresson**

Ophion costale Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 366. ♀. [o.d., Klamath Co., Calif. (A.N.S.P.)]

Ophion costalis Dalla Torre, Cat. Hymen., 1901, 3: 189. [syn.]

Ophion costale Felt, Bull. N.Y. State Mus., 1904, 76: 123. [key]

Genophion gilletti Felt, Bull. N.Y. State Mus., 1904, 76: 123. ♀. [key, o.d., Colo. (N.Y. State Mus.)]

Ophion costale Hooker, Trans. Amer. Ent. Soc., 1912, 38: 26. [key, syn., des.]

Ophion costalis Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]

* Occurrence in the Nearctic Region needs confirmation.

Ophion coloradensis (Felt)

Genophion coloradensis Felt, Bull. N.Y. State Mus., 1904, 76: 124. ♀. [key, o.d., Colo. (N.Y. State Mus.)]

Ophion coloradensis Hooker, Trans. Amer. Ent. Soc., 1912, 38: 38. ♀. [key, des., fig.]

Ophion crassus (Morley) new combination

Neophion crassus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 31. ♂. [key, o.d., Nova Scotia (British Mus.)]

Ophion elongatus Hooker, new combination

Ophion bilineatus elongatus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 30. ♀. [key, o.d., Colo. (A.N.S.P.)]

Ophion flavorufus Brullé *

Ophion flavo-rufus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 144. [o.d., Brazil (Paris Mus.)]

Ophion flavorufus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 162. [des.]

Neophion flavorufus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 31. [key, des., Mass., N.Y., Tex.]

Ophion idoneus Viereck

Ophion idoneum Viereck, Trans. Kans. Acad. Sci., 1905, 19: 312. ♂. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)]

Ophion idoneum Viereck, Trans. Kans. Acad. Sci., 1906, 32: 182. ♂, ♀. [Kans.]

Ophion idoneum Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]

Ophion bilineatum Hooker, Trans. Amer. Ent. Soc., 1912, 38: 42. [syn.] In part.

Ophion idoneum Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host a]

Ophion idoneum Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

PHALAEINIDAE: a. *Rusina bicolorago*.

Ophion luteus (Linnaeus)

Ichneumon luteus Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 566. [o.d., Europe (Linnean Soc. Coll.)]

Ophion luteus Fabricius, Syst. Piez., 1804, p. 130. [des., Europe]

Ophion luteus Nielsen, Meddel. om Grønland, 1907, 29: 386. [Greenland]

Ophion luteus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 59. [key, syn. (in part), B.C., Calif., Colo., Fla., Hudson Bay., Me., Mass., Mexico, N.Y., N.S., Sask.]

* Occurrence in the Nearctic Region needs confirmation.

Ophion luteus Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 536.
[syn., Greenland]

Ophion luteus Eidmann, Arb. Morph. Tax. Ent., 1935, 2: 102. [Labrador]

Ophion magniceps Hooker

Ophion abnormis magniceps Hooker, Trans. Amer. Ent. Soc., 1912, 38: 36. ♂,
♀. [key, o.d., southern Calif. (A.N.S.P.), Mont.]

Ophion abnormis magniceps Essig, Insects of Western N. Amer., 1926, p. 792.
[host *a*, Calif.]

Ophion abnormis var. *magniceps* McKenzie, Bull. Calif. Agr. Exp. Sta., 1935,
592: 21. [host *a*, Calif.]

GEOMETRIDAE: *a*, *Sabulodes caberata*.

Ophion novascotiae (Morley) new combination

Eurycamptus nova-scotiae Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 29. ♀.
[key, o.d., Nova Scotia (British Mus.), N.Y.]

Ophion obscuratus Fabricius *

Ophion obscuratus Fabricius, Ent. System., 1798, suppl., p. 237. ["habitat
Halae Saxonum" (location of type unknown)]

Ophion obscurus Fabricius, System. Piez., 1804, p. 132. [emendation of *Ophion
obscuratus* Fabricius]

Ophion obscurus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 59. [key, Colo.,
Europe, Japan]

Ophion pallidus Cockerell, new combination

Ophion bilineatus var. *pallida* Cockerell, Sci. Gossip, 1889, 25: 92. [o.d.,
Saguache, Saguache Co., Colo. (type lost)]

Ophion slossonae Davis

Ophion slossonae Davis, Ent. News, 1893, 4: 135. ♂. [o.d., host *a*, Conn.
(A.N.S.P.), Ill.]

Eremotylus texanus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. [syn.]
In part.

Ophion ferruginipennis Felt, Bull. N.Y. State Mus., 1904, 76: 122. ♀. [key,
o.d., fig., N.Y. (cotype at N.Y. State Mus.)]

Ophion slossonae Hooker, Trans. Amer. Ent. Soc., 1912, 38: 31. [key, syn.,
des., biol., Ill., Mass., Minn., Newfoundland, N.Y., Pa.]

Ophion slossonae Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key, des.,
Ga.]

Ophion (*Ophion*) *slossoni* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 288. [key]

* Occurrence in the Nearctic Region needs confirmation.

Ophion slossonae Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]

Ophion slossonae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953.
[N.Y.]

Ophion slossonae Brimley, Insects of N.C., 1938, p. 414. [N.C.]

PHALAEINIDAE: a, *Acrionicta* sp.

***Ophion stramineus* Taschenberg**

Ophion stramineus Taschenberg, Ztschr. f. d. Ges. Naturw., 1875, 46: 431.
♀. [o.d., N. Amer. (location of type unknown)]

Allocamptus stramineus Szépligeti, Genera Insectorum, 1905, 34: 36. [syn.]

***Ophion subfuliginosus* Ashmead**

Ophion subfuliginosus Ashmead, Proc. Calif. Acad. Sci., 1894, 4: 126. ♂, ♀.
[o.d., El Taste and El Chinche, Baja California, Mexico (Calif. Acad. Sci.)]

Ophion subfuliginosus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 29. [key,
des., Mexico, N.M., Va.]

Ophion subfuliginosus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]

***Ophion tityri* Packard**

Ophion tityri Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 19. ♂. [o.d.,
host c, no locality given, but probably from Mass. (M.C.Z.)]

Ophion bilineatus Howard, in Scudder: Butterflies of Eastern U. S. and Canada,
1889, 3: 1880. [key, syn. (in part), des., fig.]

Ophion tityri Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J.]

Ophion tityri Felt, Bull. N.Y. State Mus., 1904, 76: 116. [key, des., host a b,
B.C., Mich., N.Y., Ont.]

Ophion bilineatus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 41. [key, syn.,
des., biol., host] In part.

Ophion tityri Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]

Ophion (Ophion) tityri Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
288. [key]

Ophion tityri Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

NOTODONTIDAE: a, *Symmerista albifrons*. ARCTIIDAE: b, *Halisidota caryae*. HES-
PERIIDAE: c, *Proteides clarus*.

ENICOSPILUS Stephens

Enicospilus Stephens, Ill. Brit. Ent., 1835, 7: 126, plate 10, fig. e.

Genotype: *Ophion merdarius* Gravenhorst.

Henicospilus Agassiz, Nomen. Zool., 1846, Index. Univ., p. 138. [emendation of
Enicospilus Stephens]

Allocamptus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 150.
New synonymy.

Genotype: *Ophion undulatus* Gravenhorst.

Pleuroneurophion Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 86. New synonymy.

Genotype: *Pleuroneurophion hawaiiensis* Ashmead.

Banchogastra Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 87. New synonymy.

Genotype: *Banchogastra nigra* Ashmead.

Cymatoneura Kriechbaumer, Ztschr. Hymen. Dipt., 1901, 1: 22, 74.

Genotype: *Ophion undulatus* Gravenhorst.

Pterospilus Kriechbaumer, Ztschr. Hymen. Dipt., 1901, 1: 156. Preoccupied by Rondani, 1856. New synonymy.

Genotype: *Ophion (Enicospilus) dubius* Tosquinet.

Abanchogastra Perkins, Trans. Ent. Soc. London, 1902, p. 141. New synonymy.

Genotype: *Abanchogastra debilis* Perkins.

Ophiomorpha Szépligeti, Genera Insectorum, 1905, 34: 34. Preoccupied by Nilsson, 1836.

Genotype: (*Ophiomorpha curvinervis* Cameron) = *cameroni* Dalla Torre.

Cryptocampius Brethes, Anal. Mus. Nac. Buenos Aires, 1909, 19: 230.

Genotype: *Ophion undulatus* Gravenhorst.

Eremotylodes Perkins, Trans. Ent. Soc. London, 1914, p. 530. New synonymy.

Genotype: *Eremotylus orbitalis* Ashmead.

Amesospilus Enderlein, Beitr. Landf. Sudwestafrik, 1918, 1: 222. New synonymy.

Genotype: *Amesospilus herero* Enderlein.

Schizospilus Séyrig, Mem. Mus. Hist. Nat. Paris, 1936, 4: 79. New synonymy.

Genotype: *Schizospilus divisus* Seyrig.

***Enicospilus americanus* (Christ) new combination**

(not named) Drury, Illustr. Exotic Ent., 1770, 1: 97. [des., fig., N.Y.]

Ichneumon macrurus Linnaeus, Mantissa Plantarum, 1771, 2: 540. [syn.] In part. The description applies to a species of *Megarhyssa*.

Ichneumon macrurus Drury, Illustr. Exotic Ent., 1772±, 1, index: 2. [syn.] Misdetermined.

Ichneumon luteus americanus Christ, Naturgeschichte Classification und Nomenclature der Insecten, 1791, p. 358, pl. 37, fig. 5. [o.d., fig., N.Y. (location of type unknown)]

Ophion macrurum Westwood, in Drury: Illustr. Exotic Ent., Ed. 2, 1837, 1: 92. [des., fig., biol.] Misdetermined.

Ophion rugosus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 138. [o.d., N. America (Paris Mus.)]

Ophion macrurum Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 196. [des., fig., biol., N.Y.] Misdetermined.

Ophion cecropiae Scudder, Proc. Boston Soc. Nat. Hist., 1863, 9: 188–189. [biol., host *h*] Nomen nudum.

- Ophion macrurum* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. [syn., des., host *h k*, Ill., La., N. England, N.Y., Pa.] Misdetermined.
- Ophion cecropiae* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 169, [o.d., host *h*, Mass. (?type lost)] New synonymy.
- Ophion macrurum* Trouvelot, Amer. Natural., 1868, 1: 89. [fig., biol., host *k*] Misdetermined.
- Ophion macrurus* Smith, Trans. Ent. Soc. London, 1868, (3), 5: Proc. XXXII. [biol., host *f h*, N.Y.] Misdetermined.
- Ophion macrurum* Chambers, Amer. Ent., 1870, 2: 156. [host *k*, La.] Misdetermined.
- Ophion macrurum* Riley, Amer. Ent., 1870, 2: 100-101. [fig., biol., host *h*] Misdetermined.
- Ophion macrurum* Riley, Ann. Rpt. Insects Mo., 1872, 4: 107-108. [fig., biol., host *h*] Misdetermined.
- Ophion macrurum* Cresson, Trans. Ent. Soc. Phila., 1872, 4: 169. [Tex.] Misdetermined.
- Ophion macrurum* Reed, Ann. Rpt. Ent. Soc. Ont., 1873, 3: 40. [host *k*] Misdetermined.
- Ophion undulatus* Taschenberg, Ztschr. f. d. Ges. Naturw., 1875, 46: 430. [des., host *h*, N. America] Misdetermined.
- Ophion macrurum* Provancher, Nat. Canad., 1875, 7: 314. [Que.] Misdetermined.
- Ophion macrurum* Saunders, Ann. Rpt. Ent. Soc. Ont., 1875, 5: 25. [fig., biol.] Misdetermined.
- Ophion macrurum* Cresson, Rpt. Wheeler Exped. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. [Nev.] Misdetermined.
- Ophion macrurum* Saunders, Ann. Rpt. Ent. Soc. Ont., 1876, 6: 42. [biol., host *k*] Misdetermined.
- Ophion macrurum* Worthington, Canad. Ent., 1876, 8: 220. [biol., host *h k*, Ill.] Misdetermined.
- Ophion macrurum* Gentry, Canad. Ent., 1877, 9: 50. [host *h*, Pa.] Misdetermined.
- Ophion macrurum* Worthington, Canad. Ent.; 1877, 9: 60. [biol.] Misdetermined.
- Ophion macrurum* French, Rpt. State Ent. on Noxious and Beneficial Insects Ill., 1878, 7: 194. [host *h*, Ill.] Misdetermined.
- Ophion macrurum* Provancher, Nat. Canad., 1879, 11: 117; (Faune, p. 350). ♂, ♀. [key, syn., des.] Misdetermined.
- Ophion macrurum* Riley, Amer. Ent., 1880, 3: 134. [biol., host *c*] Misdetermined.
- Ophion macrurum* Saunders, Canad. Ent., 1882, 14: 43. [biol., host *k*] Misdetermined.
- Ophion Macrurum* Clarkson, Canad. Ent., 1883, 15: 162. [host *k*] Misdetermined.

- Ophion macrurum* Saunders, Insects Injurious to Fruits, 1883, p. 78, 175, 212.
[fig., biol., host *d h k*] Misdetermined.
- Ophion macrurum* Weed, Papilio, 1884, 4: 112. [host *i*] Misdetermined.
- Ophion macrurum* Waterhouse, Trans. Ent. Soc. London, 1887, Proc. p. XXIII.
[host *e*] Misdetermined.
- Ophion macrurus* Fallou, Ann. Soc. Ent. France, 1889, (6), 9, Bull. p. CXXXII.
[host *h*] Misdetermined.
- Ichneumon macrurus* Clément, Ann. Soc. Ent. France, 1889, (6), 9, Bull. p. CLI.
[host *h*] Misdetermined.
- Ophion macrurum* Coquillett, Insect Life, 1889, 1: 286. [Calif.] Misdetermined.
- Ophion macrurum* Webster, Insect Life, 1890, 2: 383. [host *e*] Misdetermined.
- Ophion macrurum* Riley and Howard, Insect Life, 1890, 3: 154. [host *a h k*, D.C.] Misdetermined.
- Ophion macrurum* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.] Misdetermined.
- Ophion macrurum* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.] Misdetermined.
- Ophion macrurum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.] Misdetermined.
- Ophion macrurum* Fyles, Ann. Rpt. State Ent. Minn., 1894, 25: 55. [fig., biol.] Misdetermined.
- Ophion macrurum* Evans, Canad. Ent., 1896, 28: 10. [Ont.] Misdetermined.
- Ophion macrurum* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 192. [key, des.] Misdetermined.
- Ophion macrurum* Webster, Bull. Ohio Agr. Exp. Sta., 1897, 86: 33. [biol., host *h*] Misdetermined.
- Ophion macrurum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [fig., N.J.] Misdetermined.
- Eremotylus Druryi* Kriechbaumer, Ztschr. Hymen. Dipt., 1901, 1: 152. [o.d., host *e f k*, N.Y. (Munich Mus.)]
- Enemotylus* (!) sp. Eliot and Soule, Caterpillars and their Moths, 1902, p. 56. [fig., biol.]
- Ophion macrurum* Howard, The Insect Book, 1902, plate 9, fig. 8. Misdetermined.
- Eremotylus macrurus* Felt, Bull. N.Y. State Mus., 1904, 76: 101-104. [key, syn., des., fig., biol., host *a c d e f h i k*, D.C., Mass., N.Y., Ont.] Misdetermined.
- Allocamptus macrurus* Szépligeti, Genera Insectorum, 1905, 34: 36. [syn.] Misdetermined.
- Ophion macrurum* Smith, Jour. Econ. Ent., 1908, 1: 294-297. [biol., host *h*, N.J., N.Y.] Misdetermined.
- Ophion bilineatus* Hitchings, Ann. Rpt. State Ent. Me., 1908, 3: 12. [host *h k*, Me.] Misdetermined.

- Ophion macrurum* Fiske and Thompson, Jour. Econ. Ent., 1909, 2: 453-459. [host *e h k*, parasite *a b*] Misdetermined.
- Ophion macrurus* Schulz, Zool. Annal., 1911, 4: 7, 8. [fig., parasite *c*] Misdetermined.
- Eremotylus macrurus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 148. [key, syn., des., biol., host *c f h k*, Ark., Calif., Fla., Ill., Ind., Md., Mexico, Mich., Minn., N.H., N.J., N.Y., N.C., Ont., Pa., R.I., Tex.] Misdetermined.
- Allocamptus macrurus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 24. [syn., des., host *e f g h*, Del., Mexico] Misdetermined.
- Ophion macrurum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.] Misdetermined.
- Ophion (Allocamptus) macrurus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, fig., host *h*, Conn.] Misdetermined.
- Eremotylus macrurus* (as *Allocamptus* p. 174) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172, 174. [fig., Minn.] Misdetermined.
- Ophion macrurum* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.] Misdetermined.
- Eremotylus macrurus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.] Misdetermined.
- Enicospilus macrurus* Essig, Insects of Western N. Amer., 1926, p. 792, 793. [des., fig., biol., host *j k*, Calif.] Misdetermined.
- Eremotylus macrurus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.] Misdetermined.
- Eremotylus macrurus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.] Misdetermined.
- Eremotylus macrurus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.] Misdetermined.
- Eremotylus macrurus* Montgomery, Canad. Ent., 1933, 65: 185. [host *h k*, Ind.] Misdetermined.
- Eremotylus macrurus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host *b d e f h k l*, Conn., Me., N.H., N.J., N.Y., Pa., R.I., Vt.] Misdetermined.
- Eremotylus macrourus* (!) Brimley, Insects of N.C., 1938, p. 414. [N.C.] Misdetermined.
- Eremotylus macrurus* Beaulne, Canad. Ent., 1939, 71: 120. [host *k*, Que.] Misdetermined.

ZANOLIDAE: a, *Apatelodes torrefacta*. PHALAENIDAE: b, *Acronicta* sp. ARCTIIDAE: c, *Isia isabella*. SATURNIIDAE: d, *Automeris io*; e, *Calosamia promethea*; f, *Philosamia walkeri advena*; g, *Rothschildia orizaba*; h, *Samia cecropia*; i, *Samia columbia*; j, *Samia rubra*; k, *Telea polyphemus*; l, *Tropaea luna*.

PARASITES. ICHNEUMONIDAE: a, *Gelis tenellus*; b, *Theronia atalantae*. TRIGONALIDAE: c, *Lycogaster pullata*.

Enicospilus appendiculatus (Felt)

Ophion (*Enicospilus*) *appendiculatum* Felt, Psyche, 1902, 9: 308. (sex?).
[o.d., ?N.J. (N.Y. State Mus.)]

Enicospilus appendiculatus Felt, Bull. N.Y. State Mus., 1904, 76: 113. [key,
des., fig., Ala.]

Henicospilus appendiculatus Szépligeti, Genera Insectorum, 1905, 34: 27. [syn.]

Enicospilus flavus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 71. [key, syn.,
des., fig., biol.] In part.

Henicospilus appendiculatus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 37.
[key]

?*Enicospilus flavus* Brimley, Insects of N.C., 1938, p. 414. [N.C.] Mis-
determined?

Enicospilus arcuatus (Felt)

Ophion (*Enicospilus*) *arcuatum* Felt, Psyche, 1902, 9: 307. (no sex given).
[o.d., Albany, N.Y.; Ithaca, N.Y.; S. Britain, Conn. (N.Y. State Mus.),
Ga., Mass., N.H.]

Enicospilus arcuatus Felt, Bull. N.Y. State Mus., 1904, 76: 112. [key, des.,
fig., Conn., Ga., Ill., Mass., N.H., N.Y.]

Henicospilus arenatus (!) Szépligeti, Genera Insectorum, 1905, 34: 27. [syn.]

Enicospilus purgatus arcuatus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 76.
[key, des., host c]

Henicospilus arcuatus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 37. [key]

Ophion (*Enicospilus*) *arcuatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 288. [key, Conn.]

Eremotylus arcuatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134.
[Me.]

Enicospilus purgatus var. *arcuatus* Cushman, Mem. Cornell Univ. Agr. Exp.
Sta., 1928, 101: 952. [N.Y.]

Enicospilus purgatus arcuatus Schaffner and Griswold, Misc. Pub. U. S. Dept.
Agr., 1934, 188: 144. [biol., host a b, Conn., Me., Mass., N.H., N.Y.]

Enicospilus arcuatus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

NOTODONTIDAE: a, *Heterocampa guttivitta*; b, *Schizura concinna*. PHALAENIDAE:
c, *Scoliopteryx libatrix*.

Enicospilus concolor (Cresson) *

Ophion concolor Cresson, Proc. Ent. Soc. Phila., 1865, 4: 56. (♀). [o.d.,
Cuba (A.N.S.P.)]

Ophion (*Enicospilus*) *concolor* Cameron, Biol. Centr.-Amer., 1886, Hymen. 1:
291. [des., fig., Guatemala]

* The following Nearctic material is in the Townes Collection: ♂ Manatee Co., Fla.,
I—3—25, T. H. Hubbell; ♀ Miami, Fla., XI—6—40, L. L. Pechuman.

Enicospilus cubensis (Norton) *

Ophion cubensis Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. ♀. [o.d., Cuba (A.N.S.P.)]

Enicospilus cubensis Ashmead, Trans. Ent. Soc. London, 1900, p. 354. [syn., Grenada, Jamaica, Mauritius, St. Vincent]

Enicospilus cubitalis (Morley) new combination

Allocamptus cubitalis Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 25. ♀. [o.d., St. Johns Bluff in east Florida, Jamaica, Chilpancingo at 4600 ft. in Guerrero, Mexico (British Mus.)]

Enicospilus glabratus (Say)

Ophion glabratus Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

Ophion glabratus Say, Boston Jour. Nat. Hist., 1836, 1: 239; (Leconte Ed., 2: 695). [o.d., Ind. (type destroyed)]

Ophion glabratus Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 196. [des., fig., N.Y.]

Ophion glabratus Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. [key]

Ophion glabratus Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]

Ophion arctiae Riley and Howard, Insect Life, 1890, 1: 155. [host *c f g*, Calif., Ga., S.C.] Nomen nudum.

Ophion glabratum Riley and Howard, Insect Life, 1890, 3: 155. [host *c*]

Eremotylus arctiae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 192. ♂, ♀. [o.d., host *b c g i*, Ala., Calif., Miss., N.J., Tenn. (U.S.N.M.)]

Orphion (!) *macrurum* Morgan, Bull. La. Agr. Exp. Sta., 1897, 48: 159. [host *a*, La.] Misdetermined.

Eremotylus arctiae Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J., Pa.]

Eremotylus arctiae Morgan, Bull. U. S. Dept. Agr., Office Exp. Sta., 1901, 99: 183. [fig., host *a*, La.]

Eremotylus arctiae Felt, Bull. N.Y. State Mus., 1904, 76: 105. [key, des., host *d h*, Calif., Mass., Mich., Ont., Pa., Tex.]

Eremotylus glabratus Felt, Bull. N.Y. State Mus., 1904, 76: 106. [key, des.]

Henicospilus lateralis Szépligeti, Genera Insectorum, 1905, 34: 27. [syn.]

Eremotylus arctiae Hooker, Trans. Amer. Ent. Soc., 1912, 38: 146. [key, des., biol., host *d*, Ala., Calif., Ga., Ind., Kans., Pa., Tenn., Tex.]

Eremotylus macrurus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 148. [syn.] In part.

Ophion glabratus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 60. [key, des.]

Eremotylus arctiae Mitchell, Ent. News, 1919, 30: 194. [host *b*, Tex.]

* The following Nearctic material is in the Townes Collection: ♂ Dade Co., Fla., Mar., 1938, F. W. Fisk; ♀ Miami, Fla., X-12-40, L. L. Pechuman.

Eremotylus glabratus Cushman and Gahan, Proc. Ent. Soc. Wash., 1922, 23: 170. [syn., des.]

Eremotylus glabratus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]

Eremotylus arctiae Brimley, Insects of N.C., 1938, p. 414. [N.C.]

LASIOCAMPIDAE: a, *Artace cribaria*. ARCTIIDAE: b, *Diacrisia virginica*; c, *Ecpantheria deflorata*; d, *Halisidota maculata*; e, *Hyphantria cunea*; f, *Isia isabella*. SATURNIIDAE: g, *Automeris io*; h, *Callosamia promethea*. MISCELLANEOUS: i, cocoon under bark of *Pinus* sp.

Enicospilus purgatus (Say)

Ophion purgatus Say, Boston Jour. Nat. Hist., 1836, 1: 239; (Leconte Ed., 2: 694). [o.d., Ind. (type destroyed)]

Ophion lateralis Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 141. [o.d., Carolina (Paris Mus.)]

Ophion purgatus? Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 197. [des., fig.]

Ophion purgatus Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. [syn., Fla., Ill., New England, N.Y., Pa.]

Ophion purgatus Riley, Ann. Rpt. Insects Mo., 1870, 2: 53. [syn., des., fig., biol., host i, Carolina, Ill., Ind., Me., Mass., Mo., N.Y.]

Ophion purgatus Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]

Ophion purgatus Cresson, Rpt. Wheeler Explor. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. [Nev.]

Ophion purgatus Riley, Ann. Rpt. Secr. Mass. Bd. Agr., 1878, 25: 251. [des., host i]

Ophion purgatus Provancher, Nat. Canad., 1879, 11: 117; (Faune, p. 351). ♂, ♀. [key, des.]

Ophion purgatus Thomas, Rpt. on the Noxious and Beneficial Insects Ill., 1881, 10: 41. [biol., host i, Ill.]

Ophion purgatus Caulfield, Canad. Ent., 1884, 16: 123. [host f, Que.]

Ophion purgatus Provancher, Nat. Canad., 1887, 16: 34. [Que.]

Ophion purgatum Fletcher, Rpt. Exp. Farms Canada for 1888, 1889, p. 57. [host o, Ont.]

Ophion purgatus Provancher, Nat. Canad., 1889, 19: 248. [Que.]

Ophion purgatum Fletcher, Ann. Rpt. Ent. Soc. Ont., 1889, 19: 10. [host o, Ont.]

Ophion purgatus Packard, Rpt. U. S. Dept. Agr. Ent. Comm., 1890, 5: 269. [host d]

Ophion purgatus Webster, Bull. U. S. Dept. Agr., Div. Ent., 1890, 22: 46. [host i n, Ind.]

Ophion purgatum Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Ophion purgatus Riley and Howard, Insect Life, 1890, 3: 155. [host d o, Ala., Ariz., Calif., Mo., Va.]

Ophion purgatum Webster, Insect Life, 1890, 2: 382. [host n]

Ophion purgatum Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]

- Ophion purgatum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ophion* (!) *purgatum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Ophion purgatum* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ophion purgatum* Lugger, Bull. Minn. Agr. Exp. Sta., 1896, 48: 45, 46. [biol., host *i*, Minn.]
- Enicospilus purgatus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, N.H.]
- Ericospilus* (!) *purgatum* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Enicospilus purgatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [fig., N.J., N.Y.]
- Enicospilus purgatus* Howard, The Insect Book, 1902, plate 10, fig. 19.
- Enicospilus purgatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. [Alaska]
- Enicospilus purgatus* Felt, Bull. N.Y. State Mus., 1904, 76: 108-111. [key, des., biol., host *c f p*, Alaska, Ariz., B.C., Calif., Colo., Ga., Kans., Man., Mass., Mich., Mo., N.H., N.M., N.Y., Ont., Ore., Tex., Va., Wash., Wyo.]
- Ophion purgatum* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Henicospilus purgatus* Schulz, Spolia Hymen., 1906, p. 98. [syn.]
- Ophion purgatum* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]
- Enicospilus purgatus* Viereck, Rpt. N.J. Mus. for 1909, 1910, p. 620. [N.J.]
- Enicospilus purgatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 79. [key, syn., des., fig., biol., host *e*, Ala., Alaska, Argentina, Ariz., Calif., Canada, Colo., D.C., Ga., Mass., Mexico, Mich., Mo., Nev., N.H., N.Y., Pa., Tex., Va., Wis.]
- Henicospilus purgatus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 33, 37. [key, syn., des., Barbados, British Guiana, Colo., Fla., Grenada, Juan Fernandez, Lake Huron, Nicaragua, St. Vincent, N.S.] In part.
- Enicospilus purgatus* Dew, Jour. Econ. Ent., 1913, 6: 365. [host *k*, Ala.]
- Henicospilus purgatus* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 409. [syn.] In part.
- Enicospilus purgatus* Vickery, Jour. Econ. Ent., 1915, 8: 391, 392. [biol., host *g h i*, Tex.]
- Enicospilus purgatus* Hinds and Dew, Bull. Ala. Agr. Exp. Sta., 1915, 186: 87, 89. [fig., biol., host *k*, Ala.]
- Enicospilus purgatus* Walton, Farmers' Bull. U. S. Dept. Agr., 1916, 731: 3. [fig., host *i*]
- Ophion purgatum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Ophion* (*Enicospilus*) *purgatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, Conn.]
- Enicospilus purgatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

- Enicospilus purgatus* Jones, Bull. U. S. Dept. Agr., 1918, 703: 12. [host *j*, La.]
Enicospilus purgatus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 171. [Carolina]
Enicospilus purgatus Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *g i*, Tex.]
Enicospilus purgatus Collins, Jour. Agr. Res., 1926, 32: 693. [host *b*, New England]
Enicospilus purgatus Vickery, Jour. Agr. Res., 1926, 32: 1115. [biol., host *g i*, Tex.]
Enicospilus purgatus Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
Enicospilus purgatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]
Enicospilus purgatus Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
Enicospilus purgatus Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 61-63. [biol., host *k*, Ala., S.C., Tex.]
Enicospilus purgatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]
Enicospilus purgatus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Enicospilus purgatus Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *j l m*]
Enicospilus purgatus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [host *f*, Mass.]
Enicospilus purgatus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host *f*, Mass.]
Enicospilus purgatus Brimley, Insects of N.C., 1938, p. 414. [N.C.]
Enicospilus purgatus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

DREPANIDAE: a, *Drepāna bilineata*. NOTODONTIDAE: b, *Heterocampa guttivitta*; c, *Schizura concinna*; d, *Schizura unicornis*. PHALAENIDAE: e, *Alabama argillacea*; f, *Cera-mica picta*; g, *Cirphis latiuscula*; h, *Cirphis multilinea*; i, *Cirphis unipuncta*; j, *Feltia subterranea*; k, *Laphygma frugiperda*; l, *Peridromia margaritosa*; m, *Prodenia ornithogalli*; n, *Scoliopteryx libatrix*; o, *Scotogramma trifolii*. TEPHRITIDAE: p, *Eurosta solidaginis*.

***Enicospilus texanus* (Ashmead) new combination**

- Thyreodon texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 422. ♂. [o.d., Tex. (U.S.N.M.)]
Eremotylus texanus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. [syn.]
 In part.
Eremotylus texanus Howard, The Insect Book, 1902, plate 9, fig. 5.
Eremotylus texanus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 156. [key, des.]
Macrophion texanus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 14. [key]
Eremotylus texanus Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

RHYNCHOPHION Enderlein

Rhynchophion Enderlein, Zool. Anz., 1912, 39: 630.

Genotype: *Rhynchophion odontandroplax* Enderlein.

Rhynchophion flammipennis (Ashmead) * new combination

Thyreodon flammipennis Ashmead, Proc. Calif. Acad. Sci., 1894, (2), 4: 125.

♀. [o.d., El Taste, Baja California, Mexico, 3500 ft. (?Calif. Acad. Sci.)]

Thyreodon flammipennis Hooker, Trans. Amer. Ent. Soc., 1912, 38: 129. [key, des., Mexico]

Thyreodon flammipennis Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 12. [key, Mexico]

THYREODON Brullé

Thyreodon Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 150.

Genotype: *Thyreodon cyaneus* Brullé.

Oleter Shestakov, Konowia, 1926, 5: 259. New synonymy.

Genotype: (*Oleter selenaction* Shestakov) = *laticinctus* Cresson. New synonymy.

Thyreodon atricolor atricolor (Olivier)

Ophion atricolor Olivier, Encycl. Méthod. Insectes, 1811, 8: 511. ♀. [o.d., Carolina (location of type unknown)]

Ophion morio Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835. p. 585. [Mass.] Misdetermined.

Thyreodon morio Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 152. ♀. [des., Carolina] Misdetermined.

Thyreodon morio Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. [syn., des., Ill., New England, N.Y., Pa.] Misdetermined.

Ophion morio Walsh, Amer. Ent., 1868, 1: 7. [biol.] Misdetermined.

Thyreodon morio Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. [Tex.] Misdetermined.

Thyreodon noir (!) Provancher, Nat. Canad., 1876, 8: 317. [Que.] Misdetermined.

Thyreodon morio Provancher, Nat. Canad., 1879, 11: 119; (Faune, p. 352). ♀. [des.] Misdetermined.

Thyreodon morio Dimmock, Psyche, 1884, 4: 282. [biol., host *b*, parasite ?*a*, Mass.] Misdetermined.

Thyreodon morio Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.] Misdetermined.

Thyreodon morio Packard, Rpt. U. S. Dept. Agr. Ent. Comm., 1890, 5: 489. [host *b*, Mass.] Misdetermined.

* I have seen the following Nearctic material: ♀ Huachuca Mts., Ariz., VII—28-07, Jas. S. Hine (Townes Coll.); ♀ Douglas, Ariz., VIII—22-32, W. W. Jones (U.S.N.M.); 2 ♂ Douglas, Ariz., VIII—2-33, W. W. Jones (U.S.N.M.); ♀ Tucson, Ariz. (U.S.N.M.).

- Thyreodon morio* Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, Conn., D.C., Mass., Mo.] Misdetermined.
- Thyreodon morio* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.] Misdetermined.
- Thyreodon morio* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *b*, Mass., N.H.] Misdetermined.
- Thyreodon morio* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 156. [biol., parasite *a*] Misdetermined.
- Thyreodon morio* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.] Misdetermined.
- Thyreodon morio* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J.] Misdetermined.
- Thyreodon morio* Howard, The Insect Book, 1902, plate 10, fig. 15. Misdetermined.
- Thyreodon morio* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 313. [Kans.] Misdetermined.
- Thyreodon morio* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Man.] Misdetermined.
- Thyreodon morio* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.] Misdetermined.
- Thyreodon morio* Enderlein, Zool. Anz., 1912, 39: 627. [N.Y.] Misdetermined.
- Thyreodon morio* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 118. [key, syn., des., biol., host *a b*, Ariz., Colo., Fla., Kans., Me., Man., Ohio, Pa., Que., Tex.] Misdetermined.
- Thyreodon morio* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 10. [key, syn., Fla., N.Y.] Misdetermined.
- Thyreodon morio* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.] Misdetermined.
- Thyreodon brullei* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [des., Conn., new name for *Thyreodon morio* of authors]
- Thyreodon brullei* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 170. [fig.]
- Thyreodon morio* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.] Misdetermined.
- Thyreodon atricolor* Gahan, Jour. Wash. Acad. Sci., 1922, 12: 214. [syn.]
- Thyreodon atricolor* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Thyreodon brullei* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Thyreodon brullei* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Thyreodon atricolor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]
- Thyreodon atricolor* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

SPHINGIDAE: *a*, *Lapara coniferarum*; *b*, *Paonias excaecatus*.

PARASITE. CHALCIDIDAE: *a*, *Epiencyrtus thyreodontis*.

Thyreodon atricolor flavicorne (Say) new combination

Anomalon flavicornis Say, West. Quart. Rpt., 1823, 2: 73; (Leconte Ed., 1: 163).
[o.d., "Arkansa near the Rocky Mts." (type destroyed)]

Anomalon flavicornis Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.
[Mass.]

Ophion flavicornis Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585.
[syn.]

Anomalon flavicorne Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, Mo.]

Anomalon flavicorne Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Thyreodon snowi Viereck, Trans. Kans. Acad. Sci., 1905, 19: 313. ♀. [o.d.,
Wallace Co., Kans., 3000 ft. (Univ. Kans.)] New synonymy.

Thyreodon morio transitionalis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225.
♀. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)] New synonymy.

Thyreodon snowi Hooker, Trans. Amer. Ent. Soc., 1912, 38: 125. [key, des.]

Thyreodon morio transitionalis Hooker, Trans. Amer. Ent. Soc., 1912, 38: 132.
[key, des., Ariz., Kans., Minn., Mo.]

Heteropelma fulvicorne (!) Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 68.
[key, syn. (in part), des.]

Thyreodon bruellei (!) var. *transitionalis* Washburn, Ann. Rpt. State Ent. Minn.,
1918, 17: 172. [Minn.]

Thyreodon flavicornis Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23:
156. [syn., des.]

GEOMETRIDAE: *a*, geometrid on black oak.

Thyreodon fernaldi Hooker

Thyreodon fernaldi Hooker, Trans. Amer. Ent. Soc., 1912, 38: 131. ♂, ♀.
[key, o.d., Colo., Ariz., & Mexico (A.N.S.P. and U.S.N.M.)]

Subfamily 12. MESOCHORINAE

CIDAPHUS Foerster

Cidaphus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 149.

Genotype: *Cidaphus thuringiacus* Brauns.

Plesiophthalmus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.
Preoccupied by Motschoulsky, 1858.

Genotype: *Mesochorus alarius* Gravenhorst.

Mater Schulz, Zool. Ann., 1911, 4: 22 [new name for *Plesiophthalmus* Foerster]
Tetragonalys Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 132.

Genotype: *Tetragonalys barbarica* Morley. By designation of Morley,
Fauna Brit. India, 1913, Hymen., 3: 339.

Plesiophthalmidea Viereck, Bull. U. S. Nat. Mus., 1914, 83: 119.

Genotype: *Plesiophthalmus paniscoides* Ashmead.

Ophthalmochorus Roman, Archiv för Zoológi, 1925, 17, A, no. 4: 29. [new name for *Plesiophthalmus* Foerster]

***Cidaphus australis* Cushman**

Cidaphus australis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 6. ♀.
[key, o.d., Langdale, Chambers Co., Ala. (U.S.N.M.)]

Cidaphus melleus Walley, Canad. Ent., 1935, 67: 112. ♂, ♀. [o.d., Mer Bleue (Ottawa Region), Ont. (C.N.C.)] New synonymy.

Cidaphus australis Brimley, Insects of N.C., 1938, p. 417. [N.C.]

***Cidaphus occidentalis* Cushman**

Cidaphus occidentalis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 5. ♀.
[key, o.d., fig., Revelstoke, B.C. (U.S.N.M.), Wash.]

Cidaphus occidentalis Walley, Canad. Ent., 1935, 67: 111. [des., Alta., B.C., Que.]

***Cidaphus paniscoides* (Ashmead)**

Plesiophthalmus paniscoides Ashmead, Ent. News, 1892, 3: 107. ♂. [o.d., Mass. (U.S.N.M.)]

Plesiophthalmus paniscoides Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.Y.]

Plesiophthalmidea paniscoides Viereck, Bull. U. S. Nat. Mus., 1914, 83: 119. [syn.]

Cidaphus paniscoides Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 5.
[key, fig., Md., Mass., N.H., N.Y., Pa.]

Cidaphus paniscoides Walley, Canad. Ent., 1935, 67: 111. [Ont.]

ASTIPHROMMA Foerster

Astiphromma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 24: 170.
Genotype: *Mesochorus scutellatus* Gravenhorst.

Astiphrommus Thomson, Ann. Soc. Ent. France, 1886, (6), 5: 327.

Genotype: *Mesochorus scutellatus* Gravenhorst.

***Astiphromma pectorale* Ashmead**

Astiphromma pectoralis Ashmead, Ent. News, 1892, 3: 107. ♂. [o.d., Tex. (U.S.N.M.)]

Astiphromma pectoralis Brimley, Insects of N.C., 1938, p. 417. [N.C.]

***Astiphromma strenuum* (Holmgren)**

Mesochorus strenuus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, no. 2, pt. 8: 119. ♂, ♀. [o.d., Sweden, Norway (?Stockholm Mus.)]

Plectiscus pleuralis Provancher, Nat. Canad., 1875, 7: 330. ♂ (not ♀).
[o.d., Que. (M.P.Q.)] New synonymy.

- Mesochorus pleuralis* Provancher, Nat. Canad., 1879, 11: 209; (Faune, p. 381).
 ♂ (not ♀). [key, des.]
- Mesochorus pleuralis* Provancher, Nat. Canad., 1883, 14: 3; (Faune, p. 791).
 [key]
- Plectiscus pleuralis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]
- Plectiscus pleuralis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♂ (not ♀).
 [key, des.]
- Plectiscus provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 24. [new name for
Plectiscus pleuralis Provancher]
- Astiphromma strenuus* Dalla Torre, Cat. Hymen., 1901, 3: 61. [syn.]
- Mesochorus orcae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 239. ♂. [key,
 o.d., Orca, Alaska (U.S.N.M.)]
- Plectiscidea pleuralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 276.
 [key]
- Plectiscus pleuralis* Bradley, Canad. Ent., 1939, 71: 95. [syn.]
- Astiphromma pleuralis* Townes, Canad. Ent., 1939, 71: 96. [syn.]

MESOCHORUS Gravenhorst

- Mesochorus* Gravenhorst, Ichneum. Europeae, 1829, 2: 960.
 Genotype: *Mesochorus splendidulus* Gravenhorst.
- Stictopisthus* Thomson, Ann. Soc. Ent. France, 1886, (6), 5: 327. New syn-
 onymy.
- Genotype: *Mesochorus bilineatus* Thomson.

Mesochorus agilis Cresson

- Mesochorus agilis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 266. ♀. [o.d.,
 Colo. (A.N.S.P.)]
- Mesochorus agilis* Cresson, Canad. Ent., 1872, 4: 22. ♀. [key, des.]
- Mesochorus agilis* Slosson, Ent. News, 1898, 9: 253. [N.H.]
- Mesochrus* (!) *agilis* Gillette, Bull. Colo. Agr. Exp. Sta., 1905, 98: 11. [fig.,
 host *a*, Colo.]
- Mesochorus agilis* Paddock, Jour. Econ. Ent., 1912, 5: 442. [host *a*]
- Mesochorus agilis* Swenk, Bull. State Ent. Neb., 1918, 7: 8. [host *a*, Neb.]
- Mesochorus agilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959.
 [N.Y.]
- BRACONIDAE: *a*, *Bracon vulgaris*.

Mesochorus atriventris Cresson

- Mesochorus atriventris* Cresson, Canad. Ent., 1872, 4: 21. ♂. [key, o.d., Ill.
 (A.N.S.P.)]
- Mesochorus atriventris* Provancher, Nat. Canad., 1879, 11: 208; (Faune, p.
 381). ♀. [key, des., Que.] Not *Mesochorus atriventris* of Cresson.
- Mesochorus atriventris* Provancher, Nat. Canad., 1883, 14: 4; (Faune, p. 791).
 ♀. [key, syn., des., Que.]

Mesochorus politus Provancher, Nat. Canad., 1883, 14: 4; (Faune, p. 791).
♀. [key, o.d., Que. (M.P.Q.)] Preoccupied by Gravenhorst, 1829. New synonymy.

Mesochorus provancheri Dalla Torre, Cat. Hymen., 1901, 3: 57. [new name for *Mesochorus politus* Provancher]

Mesochorus politus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Mesochorus provancheri Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

Mesochorus atriventris Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

***Mesochorus calais* Viereck**

Mesochorus calais Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280.
(♀). [o.d. in key, Yalesville, Conn. (Conn. Agr. Exp. Sta.)]

***Mesochorus discitergus* (Say)**

Cryptus discitergus Say, Boston Jour. Nat. Hist., 1836, 1: 231; (Leconte Ed., 2: 689). ♀. [o.d., Ind. (type destroyed)]

Mesochorus vitreus Walsh, Trans. Ill. State Agr. Soc., 1861, 4: 364, 368. ♂, ♀.
[o.d., fig., host *b*, Schuyler Co. and Rock Island Co., Ill. (U.S.N.M.)] New synonymy.

Mesochorus vitreus Riley, Ann. Rpt. Insects Mo., 1870, 2: 52. ♂, ♀. [des., fig., host *b*]

Mesochorus vitreus Cresson, Canad. Ent., 1872, 4: 23. ♂. [key, des.]

Mesochorus americanus Cresson, Canad. Ent., 1872, 4: 23. ♀. [key, o.d., Del. (A.N.S.P.), Ill., Pa.] New synonymy.

Mesochorus obliquus Cresson, Canad. Ent., 1872, 4: 24. ♀. [key, o.d., Pa. (A.N.S.P.)] New synonymy.

Mesochorus scitulus Cresson, Canad. Ent., 1872, 4: 24. ♂, ♀. [key, o.d., host ?*l*, Pa. (A.N.S.P.)] New synonymy.

Mesochorus vitreus Riley, Ann. Rpt. Secr. Mass. Bd. Agr., 1878, 25: 251. [des., host *b*]

Mesochorus vitreus Riley, Rpt. U. S. Dept. Agr. Ent. Comm., 1883, 3: 127.
[host *p*]

Mesochorus scitulus Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1882. [key, host *e*, Mo.]

Mesochorus americanus Riley and Howard, Insect life, 1890, 3: 155. [host *l*, D.C.]

Mesochorus obliquus Riley and Howard, Insect Life, 1890, 3: 156. [host *c*, D.C., Md.]

Mesochorus scitulus Riley and Howard, Insect Life, 1890, 3: 156. [host *b*, Ill., Ind.]

Mesochorus aprilius Riley and Howard, Insect Life, 1890, 3: 156. [host *f*, D.C.] Nomen nudum.

- Mesochorus pulchellus* Cook and Davis, Bull. Mich. Agr. Exp. Sta., 1891, 73: 10. ♀. [o.d., fig., host *k*, (Agricultural College, Mich.) (Mich. State College)] New synonymy.
- Mesochorus scitulus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]
- Mesochorus americanus* Slosson, Ent. News, 1895, 6: 317. [N.H.]
- Mesochorus aprilinus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 195. ♀. [o.d., host *f*, Conn., D.C., Ill., Mass., N.J., N.Y. (U.S.N.M.)] New synonymy.
- Mesochorus vitreus* Slosson, Ent. News, 1897, 8: 237. [N.H.]
- Mesochorus aprilinus* Slosson, Ent. News, 1897, 8: 237. [N.H.]
- Mesochorus aprilinus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *f i*, N.H.]
- Mesochorus frontalis* Ashmead, Fur Seals and Fur-seal Islands, 1899, 4: 336. ♂. [o.d., Bering Is., Alaska (U.S.N.M.)] New synonymy.
- Mesochorus scitulus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [host *d*, N.J.]
- Mesochorus frontalis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 239. [key, Alaska]
- Mesochorus americanus* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Mesochorus aprilinus* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Mesochorus americanus* Quaintance and Brues, Bull. U. S. Dept. Agr., Bur. Ent., 1905, 50: 122. [host *n*]
- Mesochorus nigrisignus* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 192. ♀. [o.d., host ?*o*, Grand River, Ia. (U.S.N.M.)] New synonymy.
- Mesochorus infernalis* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 192. ♂. [o.d., host *g*, Santa Maria, Tex. (U.S.N.M.)] New synonymy.
- Mesochorus nigrisignis* Webster, Jour. Econ. Ent., 1912, 5: 336. [host *o*, Ia.]
- Mesochorus vitreus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 86. [host *j*, Ont.]
- Mesochorus aprilinus* Webster, Bull. Ia. State Col. Agr. Exp. Sta., 1915, 155: 388. [host *f*, Ia.]
- Mesochorus scitulus* Strauss, Bull. U. S. Dept. Agr., 1916, 419: 9. [host *a*]
- Mesochorus aprilinus* Howard and Chittenden, Farmer's Bull. U. S. Dept. Agr., 1916, 705: 5. [host *m*]
- Mesochorus scitulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]
- Mesochorus aprilinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key, host *f*]
- Mesochorus vitreus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key, host *b*]
- Mesochorus obliquus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]
- Mesochorus americanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key, Del., Ill., Pa.]

- Mesochorus discitergus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 160. [syn.]
- Mesochorus vitreus* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 18. [biol., host *h*]
- Mesochorus aprilinus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]
- Mesochorus obliquus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]
- Mesochorus vitreus* Proper, Jour. Agr. Res., 1934, 48: 362. [host *h*]

PYRAUSTIDAE: a, *Desmia funeralis*. PHALAENIDAE: b, *Cirphis unipuncta*. ARCTIIDAE: c, *Euchaetias egle*. SPHINGIDAE: d, *Smerinthus jamaicensis*. PIERIDAE: e, secondary on *Colias notatus notatus*. BRACONIDAE: f, *Apanteles congregatus*; g, ?*Apanteles flaviconchae*; h, *Apanteles melanoscelus*; i, *Apanteles smerinthus*; j, ?*Apanteles* sp.; k, *Meteorus communis*; l, *Microgaster* sp.; m, *Microplitis ceratoniae*; n, *Microplitis croceipes*; o, *Microplitis melianae*; p, Microgasterinae.

Mesochorus diversicolor Viereck

- Mesochorus diversicolor* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 149. ♂, ♀. [o.d., Duncan, B.C. (U.S.N.M.)]

Mesochorus electilis Cresson

- Mesochorus electilis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]
- Mesochorus electilis* Sanderson, Bull. U. S. Dept. Agr., Div. Ent., 1906, 56: 13. [host *a*, Tex.]
- PYRAUSTIDAE: a, *Loxostege similalis*.

Mesochorus flaviceps Provancher

- Mesochorus flaviceps* Provancher, Nat. Canad., 1879, 11: 210; (Faune, p. 382). ♀. [key, o.d., Que. (M.P.Q.)]
- Mesochorus flaviceps* Provancher, Nat. Canad., 1883, 14: 3; (Faune, p. 791). [key]

Mesochorus hamatus new name

- Mesochorus basalis* Cresson, Canad. Ent., 1872, 4: 22. ♀. [key, o.d., Mass. (A.N.S.P.)] Preoccupied by Curtis, 1833.
- Mesochorus basalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]
- Mesochorus basalis* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]
- Mesochorus basalis* Schedl, Canad. Ent., 1932, 64: 2. [host *a*, B.C.]
- GEOMETRIDAE: a, *Lambdina fiscellaria fiscellaria*.

Mesochorus iridescens Cresson

- Mesochorus iridescens* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 369. ♀. [o.d., Calif. (A.N.S.P.)]
- MEM. AMER. ENT. SOC., 11 pt. 2.

Mesochorus jucundus Provancher

Mesochorus jucundus Provancher, Nat. Canad., 1883, 14: 5; (Faune, p. 792).

♀. [key, o.d., Que. (M.P.Q.)]

Mesochorus rufulus Townes, Lloydia, 1938, 1: 222. [syn.] In part.

Mesochorus jucundus Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

Mesochorus kincaidi Ashmead

Mesochorus kincaidi Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 238. ♀.

[key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

Mesochorus luteipes Cresson

Mesochorus luteipes Cresson, Canad. Ent., 1872, 4: 22. ♀. [key, o.d., N.J. (A.N.S.P.)]

Mesochorus luteipes Provancher, Nat. Canad., 1883, 14: 5; (Faune, p. 792).

♀. [key, des., Que.]

Mesochorus luteipes Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, N.H.]

Mesochorus luteipes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.J.]

Mesochorus luteipes Nason, Ent. News, 1905, 16: 168. [Ill.]

Mesochorus luteipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]

Mesochorus luteipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

NOTODONTIDAE: *a*, "*Notodonta*" sp. on *Populus tremuloides*.

Mesochorus melleus Cresson

Mesochorus melleus Cresson, Canad. Ent., 1872, 4: 24. ♂. [key, o.d., Pa. (A.N.S.P.)]

Mesochorus melleus Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 7. [host *a*, S.D.]

Mesochorus melleus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]

CIMBICIDAE: *a*, *Cimbex americana*.

Mesochorus noctivagus Viereck

Mesochorus noctivagus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 303. ♀. [o.d., Lawrence, Kans. (Univ. Kans)]

Mesochorus ottawensis (Harrington) new combination

Ischyrocnemis ottawensis Harrington, Canad. Ent., 1892, 24: 98. ♀. [o.d., Ottawa, Ont. (C.N.C.)]

Rhorus ottawaensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 249. ♀. [key, des., Ont.]

Mesochorus perniciosus Viereck

Mesochorus perniciosus Viereck, Proc. U. S. Nat. Mus., 1911, 39: 407. ♀.
[o.d., host *a*, Rocky Ford, Colo. (U.S.N.M.)]

BRACONIDAE: *a*, ?*Apanteles laeviceps*.

Mesochorus pieridicolus (Packard)

Campoplex pieridicola Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 20.
♂ (not ♀). [o.d., host *a*, no locality given (M.C.Z.)]

Mesochorus pieridicolus Howard, in Scudder: Butterflies of Eastern U. S. and
Canada, 1889, 3: 1882. [key]

Mesochorus pieridicola Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
280. [key, host *b*]

PIERIDAE: *a*, *Pieris rapae*. BRACONIDAE: *b*, ?*Apanteles congregatus*.

Mesochorus tachinae Ashmead

Mesochorus tachinae Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*,
N.H.]

Mesochorus tachinae Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 168. ♀. [o.d.,
host *a*, Canobie Lake, N.H. (U.S.N.M.)]

TACHINIDAE: *a*, tachinid.

Mesochorus thomsonii Dalla Torre

Mesochorus nigriceps Thomson, Ann. Soc. Ent. France, 1885, (6), 5: 334. ♂,
♀. [o.d., northern and central Europe (?Lund Mus.)] Preoccupied by
Brischke, 1880.

Mesochorus sp. Lundbeck, Meddel. om Grønland, 1895, 19: 110. [Greenland]

Mesochorus gibbulus? Lundbeck, Vidensk. Medd. Nat. For. København (1896),
1897, p. 240. [Greenland] Misdetermined.

Mesochorus thomsonii Dalla Torre, Cat. Hymen., 1901, 3: 59. [new name for
Mesochorus nigriceps Thomson]

Mesochorus gibbulus Nielsen, Meddel. om Grønland, 1907, 29: 388. [Green-
land] Misdetermined.

Mesochorus nigripes Roman, Archiv för Zoologi, 1916, 10, no. 22: 3. [syn.,
des., Lundbeck determination queried] Misdetermined.

Mesochorus nigripes Hendriksen and Lundbeck, Meddel. om Grønland, 1918,
22: 542. [syn., Europe, Greenland] Misdetermined.

Mesochorus nigriceps Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 9.
[syn., des., Greenland]

Mesochorus nigriceps Poulton, Ann. Mag. Nat. Hist., 1934, (10), 14: 52.
[Labrador]

Mesochorus uniformis Cresson

Mesochorus uniformis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. ♀.
[o.d., Bosque Co., Tex. (U.S.N.M.)]

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- Paniscus rufulus* Provancher, Nat. Canad., 1876, 8: 328. ♀. [o.d., Que. (M.P.Q.)]
Mesochorus rufulus Provancher, Nat. Canad., 1879, 11: 209; (Faune, p. 381).
 [key, des.]
Mesochorus rufulus Provancher, Nat. Canad., 1883, 14: 4; (Faune, p. 791).
 [key]
 ? *Mesochorus areolatus* Provancher, Nat. Canad., 1883, 14: 5; (Faune, p. 793).
 ♀. [key, o.d., Que. (M.P.Q.)]
Astiphromma uniformis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
 583. [Pa.]
Mesochorus uniformis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387.
 [Kans.]
Astiphromma uniformis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43.
 [syn.] In part.
Astiphromma uniformis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
 101: 959. [N.Y.]
Mesochorus uniformis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Mesochorus rufulus Townes, Lloydia, 1938, 1: 222. [syn.] In part.

GENERA OF UNCERTAIN SUBFAMILY

BRACHYCYRTUS Kriechbaumer

- Brachycyrtus* Kriechbaumer, Corres. Zool. Mineral Ver. Regensburg, 1880, 34:
 161.
 Genotype: *Brachycyrtus ornatus* Kriechbaumer.
Proterocryptus Ashmead, Proc. U. S. Nat. Mus., 1906, 30: 174.
 Genotype: *Proterocryptus nawaii* Ashmead.
Vakau Cheesman, Ann. Mag. Nat. Hist., 1928, (10), 1: 189. New synonymy.
 Genotype: *Vakau taitensis* Cheesman.
Brachycyrtomorpha Kreibohm de la Vega, Rev. Industrial y Agricola de Tucuman,
 1940, 3: 170. New synonymy.
 Genotype: *Brachycyrtomorpha crossi* Kreibohm de la Vega.

Brachycyrtus chrysopae Walley

- Brachycyrtus chrysopae* Walley, Canad. Ent., 1940, 72: 86. ♀. [o.d., host *a*,
 near Bayne's Lake, B.C. (C.N.C.)]
 CHRYSOPIDAE: *a*, chrysopid.

Brachycyrtus pretiosus Cushman

- Brachycyrtus pretiosus* Cushman, Proc. U. S. Nat. Mus., 1936, 84: 19. ♂, ♀.
 [key, o.d., fig., Hillsboro Co., Fla. (U.S.N.M.)]

NEORHACODES Hedicke

Rhacodes Ruschka, Arch. Naturg., 1922, 88, A, 5: 138. Preoccupied by Koch, 1856.

Genotype: *Rhacodes enslini* Ruschka.

Neorhacodes Hedicke, Deut. Ent. Ztschr., 1922, p. 427. [new name for *Rhacodes* Ruschke]

Neorhacodes brevicauda Cushman

Neorhacodes brevicauda Cushman, Proc. U. S. Nat. Mus., 1940, 88: 526. ♀.
[key, o.d., Littlefield, Ariz. (U.S.N.M.)]

Neorhacodes longicauda Cushman

Neorhacodes longicauda Cushman, Proc. U. S. Nat. Mus., 1940, 88: 526. ♀.
[key, o.d., fig., Four-mile Hill, 8 miles south of Steamboat Springs, Colo. (U.S.N.M.)]

ORTHOPELMA Taschenberg

Orthopelma Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 137.

Genotype: (*Hemiteles luteolator* Gravenhorst) = *mediator* Thunberg.

Proëdrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 147.

Genotype: (*Hemiteles luteolator* Gravenhorst) = *mediator* Thunberg.

Orthopelma californicum Ashmead

Orthopelma californicum Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 417. ♂, ♀.
[key, o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

CYNIPIDAE: *a*, gall on *Rosa* sp.

Orthopelma coloradense Ashmead

Orthopelma coloradense Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 418. ♀.
[key, o.d., West Cliff, Custer Co., Colo. (U.S.N.M.)]

Orthopelma diastrophii Ashmead

Orthopelma diastrophii Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 418. ♂, ♀.
[key, o.d., host *a*, Mo., ?and Westbury, Conn. (U.S.N.M.)]

Orthopelma diastrophii Brodie, Insect Life, 1895, 5: 343. [host *b*, Ont.]

Praedruss (!) *diastrophii* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.J.]

Orthopelma diastrophii Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 275. ♂, ♀. [des., Conn.]

CYNIPIDAE: *a*, *Diastrophus radicum*; *b*, *Diplolepis radicum*.

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Orthopelma erythroga Ashmead

Orthopelma erythroga Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 416. ♂.
[key, o.d., Va. (U.S.N.M.)]

Orthopelma erythropus Dalla Torre, Cat. Hymen., 1901, 3: 49. [syn.]

Orthopelma mediator (Thunberg)

Ichneumon Mediator Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 269.
[o.d., (?Sweden) (Upsala Mus.)]

Hemiteles luteolator Gravenhorst, Ichneum. Europeae, 1829, 2: 826. ♂, ♀.
[o.d., several localities in Germany (? Breslau Mus.)]

Orthopelma luteolator Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 137.
[des., host]

Orthopelma minutum Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 416. ♀.
[key, o.d., host *e*, Jamaica Plains, N.Y. (U.S.N.M.)] New synonymy.

Orthopelma rosaecola Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 417. ♂, ♀.
[key, o.d., host *b*, ?Colo. (U.S.N.M.)] New synonymy.

Orthopelma minutum Riley and Howard, Insect Life, 1890, 3: 154. [host *d*, Mass.]

Orthopelma rosaecola Riley and Howard, Insect Life, 1890, 3: 154. [host *b*, Ut.]

Orthopelma luteolator Brodie, Insect Life, 1893, 5: 343. [host *a c*, Ont.]

?*Orthopelma thompsoni* Brues, Bull. Wis. Nat. Hist. Soc., 1907, 5: 157. ♂, ♀.
[o.d., host *c*, Worcester, Mass. (Milwaukee Public Mus.)] New synonymy.

Orthopelma mediator Roman, Zool. Bidrag Från Uppsala, 1912, 1: 267. [syn.]

Orthopelma luteolator Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 226. ♀.
[des., host *c*, Mass.]

Orthopelma luteolata (!) Champlain, Psyche, 1922, 29: 96. [host *f*, Pa.]

Orthopelma mediator Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [host *c*, Que.]

Orthopelma luteolator Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

Orthopelma luteator (!) Peck, Canad. Jour. Res., 1937, D, 15: 247. [fig. ♂ genitalia]

CYNIPIDAE: *a*, *Diastrophus turgidus*; *b*, *Diplolepis ignota*; *c*, *Diplolepis rosae*; *d*, *Diplolepis rosaefolii*; *e*, *Diplolepis* sp.; *f*, cynipid gall on *Rosa* sp.

Orthopelma occidentale Ashmead

Orthopelma occidentale Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 417. ♂.
[key, o.d., host *a*, Hams Fork, Green River, Wyoming Territory (U.S.N.M.)]

Orthopelma occidentalis Riley and Howard, Insect Life, 1890, 3: 154. [host *a*, Ida.]

Orthopelma occidentale Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

Orthopelma occidentale Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

CYNIPIDAE: *a*, *Diplolepis similis*.

Orthopelma ovale (Provancher)

Hemiteles ovalis Provancher, Nat. Canad., 1874, 6: 332. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Hemiteles ovalis Provancher, Nat. Canad., 1879, 11: 122; (Faune, p. 325).

♂, ♀. [key, des.]

Hemiteles ovalis Provancher, Nat. Canad., 1882, 13: 359; (Faune, p. 781).

[key]

Orthopelma ovalis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Orthopelma ovale Dalle Torre, Cat. Hymen., 1901, 3: 50. [syn.]

PHRUDUS Foerster

Subgenus **Phrudus** Foerster

Phrudus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Phrudus monilicornis* Bridgman.

Ktenostilpnus Strobl, Mitt. Ver. Stiermark, 1901, 37: 256.

Genotype: (*Ktenostilpnus aequarticulatus* Strobl) = ?*monilicornis* Bridgman.

Vendolius Roman, Arkiv för Zoologi, 1914, 9, no. 2: 35.

Genotype: (*Vendolius stilpninus* Roman) = *monilicornis* Bridgman.

Phrudus (Phrudus) dakota Cushman

Phrudus dakota Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 17. ♀.

[o.d., fig., Spearfish, S.D. (U.S.N.M.)]

Subgenus **Mengersenia** Schmiedeknecht

Orona Cameron, Invertebrata Pacifica, 1905, 1: 131. Preoccupied by Haekel, 1887

Genotype: *Orona petiolaris* Cameron.

Mengersenia Schmiedeknecht, Hymen. Mitteleurop., 1907, p. 606. New synonymy.

Genotype: *Mengersenia paradoxa* Schmiedeknecht.

Hambergiella Roman, Naturw. Unters. Sarekgebirges, 1909, 4: 359.

Genotype: *Hambergiella sinuata* Roman.

Phrudus (Mengersenia) exarealatus Cushman, new combination

Phrudus exarealatus Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 19. ♀.

[o.d., Cranberry Lake, N.Y. (U.S.N.M.)]

Phrudus (Mengersenia) petiolaris (Cameron) new combination

Orona petiolaris Cameron, Invertebrata Pacifica, 1903, 1: 131. ♀. [o.d., near Stanford Univ., Calif. (British Mus.)]

Orona petiolaris Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 408. [des.]

ALPHABETICAL LIST OF UNPLACED SPECIES

The generic positions of the following species are uncertain. Except for the species of *Eristicus* (ascribed to the New Zealand fauna) no authentic specimens have been seen and it has not been possible to identify the species or to reach a conclusion about a generic placement from the descriptions.

Anomalon canadense Provancher

Anomalon Canadense Provancher, Nat. Canad., 1874, 6: 174. ♂, ♀. [key, o.d., Que. (type lost)]

Anomalon prismaticum var. *Canadense* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 358). [des.]

Anomalon nigratum Norton

Anomalon nigratum Norton, Proc. Ent. Soc. Phila., 1863, 1: 363. ♂. [o.d., Mass. (type lost)]

Anomalon nigratum Provancher, Addit. Faune Canada, Hymén., 1886, p. 80. ♂. [key, des., Ont.]

Anomalon nigratum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 86. [key, des., Mexico]

Anomalon rufum Provancher

Anomalon rufum Provancher, Nat. Canad., 1874, 6: 174. ♀. [key, o.d., Que. (type lost)]

Anomalon prismaticum var. *rufum* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 358). [des.]

Anomalon vivum Cresson

Anomalon vivum Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 368. ♀. [o.d., Ore. (type lost)]

Asymmictus nigrofrons Davis

Asymmictus nigrofrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 325. ♀. [o.d., Agricultural College, Mich. (type lost)]

Atractodes provancheri Dalla Torre

Atractodes singularis Provancher, Nat. Canad., 1876, 8: 328. ♂. [o.d., Que. (type lost)] Preoccupied by Foerster, 1876.

Atractodes provancheri Dalla Torre, Cat. Hymen., 1902, 3: 723. [new name for *Atractodes singularis* Provancher]

Atractodes rufipes Provancher

Atractodes rufipes Provancher, Nat. Canad., 1874, 6: 151. ♂, ♀. [key, o.d., Que. (type lost)]

Banchus fulvus (Fabricius) *

Ichneumon fulvus Fabricius, System. Ent., 1775, p. 341. [o.d., "America"
(location of type unknown)]

Banchus fulvus Fabricius, System. Piez., 1804, p. 129. [syn.]

Ichneumon fulvator Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 260.
[new name for *Ichneumon fulvus* Fabricius]

Ichneumon? fulvus Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.
[Mass.]

Ichneumon (Trogus) fulvus? Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2,
1835, p. 585. [syn.]

Campoplex arcticus Curtis

Campoplex? Arcticus Curtis, in Ross: Appendix to the Narrative of a Second
Voyage in Search of a North-West Passage . . . 1829-33, 1835, p. LXII.
[o.d. (Arctic America) (location of type unknown)]

Campoplex? arcticus Walley, Sci. Agr., 1940, 20: 734. ["unrecognizable"]

Cratichneumon davisii Bradley

Cratichneumon davisii Bradley, Ztschr. Hymen. Dipt., 1904, 4: 107. ♀. [o.d.,
Colo. (type lost)]

Cremastus piceus Cresson

Cremastus piceus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 176. ♀. [o.d.,
Bosque Co., Tex. (type lost)]

Cremastus piceus Provancher, Addit. Faune Canada Hymén., 1888, p. 363. ♀.
[des., Que.]

Cremastus piceus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. ["unrecog-
nizable"]

Cryptus cinctipes Walsh

Cryptus cinctipes Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 74. ♂, ♀.
[o.d., (?Ill.) (type destroyed)]

Cryptus rhomboidalis Walsh

Cryptus rhomboidalis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 74. ♀.
[o.d., (?Ill.) (type destroyed)]

Cryptus rufifrons Walsh

Cryptus rufifrons Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 75. ♀. [o.d.,
(?Ill.) (type destroyed)]

* Occurrence in the Nearctic Region needs confirmation

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Cryptus semirufus Brullé

Cryptus semi-rufus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 195. ♀.
[o.d., N. Amer. (Paris Mus.)]

Eriborus triannulatus Cameron

Eriborus? triannulatus Cameron, Trans. Amer. Ent. Soc., 1908, 34: 245. ♂.
[o.d., Santa Clara Co., Calif. (?British Mus.)]
eriborus? triannulatus Johnson and Ledig, Jour. Ent. Zool., 1918, 10: 23. [Calif.]

Erigorgus lateralis (Brullé)

Anomalon laterale Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 175. ♀.
[o.d., N. Amer. (Paris Mus.)]
Anomalon laterale Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. [des., N.Y.]
Anomalon laterale Provancher, Addit. Faune Canada, Hymén., 1886, p. 81.
♀. [key, des., Que.]
Anomalon laterale Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]
Erigorgus lateralis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284.
[key]
Paranomalon lateralis Johnson, Biol. Surv. Mt. Desert. Region, 1927, 1: 133.
[Me.]
Paranomalon lateralis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 2,
no. 3: 104. [Mass.]

Eristicus apicalis Ashmead *

Eristicus apicalis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 388. ♂. [key,
o.d., "Wis." (U.S.N.M.)]
Eristicus basilaris Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 389. ♀. [key,
o.d., "Wis." (U.S.N.M.)] New synonymy.

Eristicus binotatus Ashmead †

Eristicus binotatus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 389. ♂. [key,
o.d., "Wis." (U.S.N.M.)]

* This and the following four species of "*Eristicus*" were described by Ashmead from "Wisconsin." A few years later (Trans. Linn. Soc. N. S. Wales, 1900, p. 348), he transferred three of the species to *Probolus*, at the same time stating that their correct type locality appeared to be New Zealand rather than Wisconsin. This species and the next two are represented in the U. S. National Museum by specimens from New Zealand collected by A. Koebele, probably from the same lot as the types. Very likely *E. erythrogaster* and *E. minutus* are also members of the New Zealand fauna. No attempt has been made to place these species in their proper genera.

† See note under *Eristicus apicalis*.

Eristicus cinctus Ashmead *

Eristicus cinctus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 389. ♀. [key, o.d., "Wis." (U.S.N.M.)]

Eristicus erythrogaster Ashmead *

Eristicus erythrogaster Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 388. ♀. [key, o.d., "Wis." (U.S.N.M.)]

Eristicus minutus Ashmead *

Eristicus minutus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 388. ♀. [key, o.d., "Wis." (U.S.N.M.)]

Exolytus concamerus Davis

Exolytus concamerus Davis, Trans. Amer. Ent. Soc., 1898, 24: 356. ♀. [o.d., Mt. Washington, N.H. (type lost)]

Exolytus concamerus Slosson, Ent. News, 1898, 9: 253. [N.H.]

Habronyx flavistigma Davis

Habronyx? flavistigma Davis, Trans. Amer. Ent. Soc., 1898, 24: 362. ♂. [o.d., N.Y. (type lost)]

Hemiteles cincticornis Ashmead

Hemiteles cincticornis Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 21. ♀. [o.d., host *a*, Cusack Ranch, Colo. (type lost)]

BRACONIDAE: *a*, *Apanteles laeviceps*.

Hemiteles clipeator Lundbeck

Hemiteles clipeator Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 228. ♂. [o.d., Sydstugten, kun en Han, Greenland (Copenhagen Mus.)]

Hemiteles gastricus Holmgren

Hemiteles gastricus Holmgren, Eugenes Resa, 1868, insects, p. 401. ♀. [o.d., Calif. (?Stockholm Mus.)]

Hemiteles texanus Ashmead

Hemiteles texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 404. ♀. [key, o.d., Tex. (type lost)]

* See note under *Eristicus apicalis*.

Ichneumon assimilator Swederus

Ichneumon assimilator Swederus, Svensk. Vet.-Akad. Handl., 1787, 8: 280.
[o.d., N. Amer. (type lost?)]

Ichneumon astutus Holmgren

Ichneumon astutus Holmgren, Eugenes Resa, 1868, insects, p. 394. ♂. [o.d.,
Calif. (?Stockholm Mus.)]

Ichneumon astutus Cresson, Trans. Amer. Ent. Soc., 1897, 6: 208. ♂. [des.]

Barichneumon astutus Roman, Ent. Tidskr., 1910, 31: 148 [des.]

Ichneumon banchiformis Megerle

Ichneumon Banchiformis Megerle, Appendix ad Catalogum Insectorum, Quae
Mense Novembris 1802 Vienne Austriae Auctionis Lege Vendita Fuere,
1802, p. 16.* [o.d., Ga. (type lost)]

Ichneumon georgicus Megerle

Ichneumon Georgicus Megerle, Appendix ad Catalogum Insectorum, Quae
Mense Novembris 1802 Vienne Austriae Auctionis Lege Vendita Fuere,
1802, p. 16.† [o.d., Ga. (type lost)]

Ichneumon lugubator Gravenhorst ‡

Ichneumon lugubator Gravenhorst, Vergl. Übers, zool. Syst., 1807, p. 256.
[o.d., no locality given (? Breslau Mus.)]

Ichneumon lugubator Gravenhorst, Ichneum. Europeae, 1829, 1: 541. [des.,
"locality unknown"]

Ichneumon lugubator Kriechbaumer, Stettin Ent. Ztg., 1875, 36: 41. [des.,
Pa.]

Ichneumon nigrosignatus Viereck

Ichneumon (Barichneumon) nigrosignatus Viereck, Trans. Kans. Acad. Sci.,
1905, 19: 297. ♂. [o.d., Oak Creek Canyon, Ariz. (Univ. Kans., type
not seen)]

Ichneumon obsoletus Riley, new combination

Ichneumon brevipennis var. *obsoletus* Riley, Ann. Rpt. Insects Mo., 1877, 9: 55.
(♀). [o.d., host *a*, (St. Louis, Mo.) (type lost)]

Ichneumon brevipennis var. *obsoletus* Cresson, Trans. Amer. Ent. Soc., 1877, 6:
182. [des.]

* Copy of original description: "*Ichneumon Banchiformis* M. ex Georg. Stat. Banch.
Atr. flav. vari. ant. annul. Thor. 2 spinos."

† Copy of original description: "*Ichneumon Georgicus* M. ex Georg. Stat. et magn.
persuas. ruf. Ant. Lut. Thor. Flav. Abd. segm. 1. 2. et fem. annulo. nig."

‡ Occurrence in the Nearctic Region needs confirmation.

Ichneumon brevipennis Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, Colo., Mo.] Misdetermined.

PHALAEINIDAE: *a*, *Protoleucania albilinea*.

***Ichneumon paradoxus* Provancher**

Ichneumon paradoxus Provancher, Nat. Canad., 1882, 13: 306, 325; (Faune, p. 764). ♀. [key, o.d., Que. (type lost)]

***Ichneumon quadripunctatus* Provancher**

Ichneumon quadri-punctatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 33. ♂. [o.d., Ottawa, Ont. (type lost)]

***Jethsura ferruginea* Cameron**

Jethsura ferruginea Cameron, Trans. Amer. Ent. Soc., 1902, 28: 374. ♀. [o.d., N.M. (?British Mus.)]

***Labrorychus relictus* (Fabricius)**

Ophion relictus Fabricius, Ent. System., 1798, Suppl., p. 236. [o.d., North America (location of type unknown)]

Ophion relictus Olivier, Encycl. Méthod. Insect., 1811, 8: 511. [des.]

Ichneumon relictus Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 262. [syn.]

Ophion relictus Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

Anomalon relictus Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. ♂, ♀. [des., Mass., N.Y.]

Anomalon relictum Provancher, Nat. Canad., 1874, 6: 174. ♂. [key, des., Que.]

Anomalon relictum Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 357). [key, des., fig., Que.]

Anomalon relictum Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]

Anomalon relictus Webster, Insect Life, 1890, 3: 174. [host *b*]

Anomalon relictum Slosson, Ent. News, 1900, 11: 320. [N.H.]

Anomalon relictum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 86. [key, Ga.]

Erigorgus relictus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]

Paranomalon relictum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Labrorychus relictus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 146. [biol., host *a b*, Me., N.J., N.Y., Pa.]

NOTODONTIDAE: *a*, *Datana integerrima*; *b*, *Datana ministra*.

Lampronota breviventris Walsh

Lampronota breviventris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 120. ♀.
[o.d., (Ill.?) (type destroyed)]

Lampronota pictiventris Walsh

Lampronota pictiventris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 119. ♂.
[o.d., (Ill.?) (type destroyed)]

Limnerium hospitum (Holmgren)

Limneria hospita Holmgren, Eugenies Resa, 1868, Insects, p. 416. ♂. [o.d.,
Calif. (?Stockholm Mus.)]
Limnerium hospitum Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]

Limnerium illepidum (Cresson)

Limneria illepada Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♂. [o.d.,
Bosque Co., Tex. (type lost)]
Limnerium illepidum Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]

Melanichneumon ferrugator (Swederus)

Ichneumon ferrugator Swederus, Svensk. Vet.-Akad. Handl., 1787, 8: 280.
♂?, ♀. [o.d., North America (British Mus.)]
Ichneumon (Ichneumon) ferrugator Harris, Rpt. Geol. Min. Bot. Zool. Mass.,
Ed. 2, 1835. p. 585. [Mass.]
Melanichneumon ferrugator Morley, Entomologist, 1909, 42: 133. [des.]

Meniscus quadricinctus Ashmead

Meniscus 4-cinctus Ashmead, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 50.
♂. [o.d., host *a*, Catawba Is., Ohio (type lost)]
Meniscus 4-cinctus Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 37.
[host *a*, Ohio]
Miscellaneous: *a*, pupa in folds of leaf of *Prunus persicus*.

Mesoleptus fasciatus Provancher

Mesoleptus fasciatus Taylor, Canad. Ent., 1884, 16: 91. [B.C.] Nomen
nudum.
Mesoleptus fasciatus Provancher, Canad. Ent., 1885, 17: 116. ♂. [o.d.,
Vancouver Is., B.C. (type lost)]
Mesoleptus fasciatus Taylor, Canad. Ent., 1885, 17: 250. [B.C.]
Mesoleptus fasciatus Harrington, Canad. Ent., 1897, 29: 45. [Vanc. Is., "♀
descr. from coll. Taylor"]
Mesoleptus fasciatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Mesostenus rufotinctus Provancher

Mesostenus rufotinctus Provancher, Nat. Canad., 1874, 6: 301. ♂. [key, o.d., Que. (type lost)]

Mesostenus rufotinctus Provancher, Nat. Canad., 1875, 7: 268. [key]

Microcryptus alaskensis Ashmead

Microcryptus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 184. ♂. [key, o.d., Sitka, Alaska (type lost)]

Opheltoideus johnsoni Ashmead

Opheltoideus johnsoni Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 95. [o.d. in key, no locality given, but probably from the vicinity of Philadelphia, Pa. (type lost)]

Parabates johnsoni Szépligeti, Genera Insectorum, 1911, 114: 76. [syn.]

Paniscus (Parabates) johnsoni Bradley, Ann. Mag. Nat. Hist., 1919, 3: 324. [syn.]

Opheltoideus johnsoni Cushman, Proc. U. S. Nat. Mus., 1942, 92: 289. [syn.]

Opisorhyssa flavopicta Kriechbaumer *

Opisorhyssa flavopicta Kriechbaumer, Ann. Naturh. Hofmus. Wien, 1890, 5: 488. ♀. [o.d., "Amer. Sept.?" ("Vindobonensi Mus.")]

Phygadeuon excavatus Provancher

Phygadeuon excavatus Provancher, Nat. Canad., 1874, 6: 285. ♀. [key, o.d., Que. (type lost)]

Phygadeuon plectiscinus Roman

Phygadeuon plectiscinus Roman, Archiv für Zoologi, 1916, 10, no. 22: 5. ♂, ♀. [o.d., Eidi, Greenland (?Stockholm Mus.)]

Phygadeuon truncatus Provancher

Phygadeuon truncatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 53. ♀. [key, o.d., Ottawa, Ont. (type lost)]

Pseudamblyteles peroratus Cameron

Pseudamblyteles peroratus Cameron, Trans. Amer. Ent. Soc., 1908, 34: 242. ♂. [o.d., Ormsby Co., Nev. (?British Mus.)]

Trogus atrocoeruleus Cresson

Trogus atrocoeruleus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 92. ♀. [o.d., La. (?Yale Univ.)]

Trogus atrocoeruleus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. [key, des.]

* Occurrence in Nearctic America needs confirmation.

- Amblyteles atrocoeruleus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Trogus atrocoeruleus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 82. [key, Mexico]
Trogus atrocoeruleus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]
Trogus? atrocoeruleus Hopper, Trans. Amer. Ent. Soc., 1939, 65: 343. [syn.]

Tryphon obscurus Cresson

- Stilpnus obscurus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 259. ♂. [o.d., Colo. (type lost)]
Tryphon obscurus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [syn.]
Tryphon obscurus Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

ALPHABETICAL LIST OF NOMINA NUDA

The following is a list of nomina nuda and of names so misspelled that they can not be recognized. Nomina nuda that can be recognized as such from their places of publication and those which have been referred to described species in the body of the catalogue are not listed below.

- Acrolyta smerinithi* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569 [host (*Smerinthus geminatus*)]. Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 631, states that this is a MS name.
Acrolyta smerinithi "Ashm." Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
Anomalon Cecropiae Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
Campoplegidea (*Viereckiana*) *triangularis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect 5: 178. Walley, Sci. Agr., 1940, 20: 734, states that this is a nomen nudum.
Campoplex paniscus Osborn, Bull. Ia. Agr. Exp. Sta., 1892, 18: 515. [biol., host (*Plutella cruciferarum*), Ia.]
Centeterus suturalis "Ashm." Riley and Howard, Insect Life, 1890, 3: 152. [host (*Chloridea rhexiae*?)]
Cremastus fumipennis "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [Pa.]
Cryptus annulipes, *Cryptus attractus*, *Cryptus bucephalus*, *Cryptus calceatus*, *Cryptus cardinalis*, *Cryptus clyta*, *Cryptus crescentus*, *Cryptus ectypus*, *Cryptus facetus*, *Cryptus facilis*, *Cryptus isochromus*, *Cryptus latus*, *Cryptus leucotelus*, *Cryptus mellipes*, *Cryptus palmapectus*, *Cryptus pleuriticus*, *Cryptus polyspeirus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]
Cryptus propitius "Cr." Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

- Cryptus recurvulus*, *Cryptus spinulosus*, *Cryptus subspinosus*, *Cryptus tenellulus*, *Cryptus velox*, *Cryptus versicolor* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]
- Eiphosoma femorata* "Cress." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J.]
- Exochoides borealis* "Cress." Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Hemiteles mesochori* "Ashm." Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]
- Hemiteles orgyiae* "Riley" Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Hemiteles scolyti* "Ashm." Harrington, Canad. Ent., 1897, 29: 44. [B.C.]
- Hemiteles thyridopterigis* var. *leucozonatus* "Ashm." Riley and Howard, Insect Life, 1890, 3: 152. [host (*Thyridopteryx ephemeraeformis*), Mo.]
- Ichneumon (Ichneumon) ales* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon alternator* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon (Ichneumon) anxifer* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon araneorum* Clarkson, Canad. Ent., 1890, 22: 122. [biol., host (*Argiope riparia*), parasite (chalcid), N.Y.]
- Ichneumon (Trogus) atratus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon (Ichneumon) baculus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon basiator* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon (Ichneumon) biarquatus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon cingor* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon (Ichneumon) dimelapsus*, *Ichneumon (Ichneumon) metathoracicus*, *Ichneumon (Ichneumon) orbitarius*, *Ichneumon (Ichneumon) petiolatus*, *Ichneumon (Ichneumon) plantaris*, *Ichneumon (Ichneumon) platicerus*, *Ichneumon (Ichneumon) spatiosus*, *Ichneumon (Ichneumon) stolophorus*, *Ichneumon (Ichneumon) trichocerus*, *Ichneumon (Ichneumon) vau* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Lampronota succincta* "Cr." Riley and Howard, Insect Life, 1891, 3: 464. [host (oak gall), Mo.]
- Limneria oligiae* "Ashm." Riley and Howard, Insect Life, 1890, 3: 158. [host (*Oligia versicolor*), D.C.]
- Limneria oligiae* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Megarhyssa magnifica* "Vier." Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627. [N.J.]. Viereck, Proc. Ent. Soc. Wash., 1911, 13: 96, states that this is a nomen nudum.

- Mesochorus ? chrysopae* "Ashm." Riley and Howard, Insect Life, 1890, 3: 156.
[host (*Chrysopa* sp.)]
- Mesochorus ? chrysopae* "Ashm." Howard, Proc. Ent. Soc. Wash., 1891, 2: 124.
[host (secondary on *Chrysopa* sp.)]
- Nepiera albomaculata* "Ashm." Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Notosemus montanus* "Ashm." Berthoumieu, Genera Insectorum, 1904, 18: 68.
[Colo.]
- Ophion imbecilis* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.
[Mass.]
- Polysphincta phycitis* "Riley" Riley and Howard, Insect Life, 1891, 3: 464.
[host (*Phycita* (*Acrobasis*) *nebulo*), Ind.]
- Rhythmonotus bilineatus* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
- Scambus monta* "Cress." Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Sinophorus johnsoni* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
- Spilocryptus lividicarpus* "Cress." Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]
- Spudastica rufipes* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
- Thyreodon costale* "Cress." Viereck, Bull. N.Y. State Mus., 1928, 274: 185.
[Colo.]

SYSTEMATIC LIST OF HOSTS OF NEARCTIC ICHNEUMONIDAE

The following is a list of all host records arranged under the host. References to the authorities for these records may be found through the host lists under the various parasite species in the body of the catalogue.

ORTHOPTERA

ACRIDIDAE

Melanoplus mexicanus phase **spretis** (Thomas): ? *Lissonota brunnea*.

THYSANOPTERA

Thrips on *Triticum aestivum*: *Gelis thripites*.

HOMOPTERA

COCCIDAE

Pulvinaria bigeloviae Cockerell: *Cremastus flaviceps*.

NEUROPTERA

HEMEROBIIDAE

Hemerobius sp.: *Otacustes crassus crassus*.

CHRYSOPIDAE

Chrysopa harrisii Fitch: *Gelis tenellus*, *Otacustes crassus crassus*.

Chrysopa lateralis Guérin: *Otacustes bicolor*.

Chrysopa nigricornis Burmeister: *Gelis tenellus*, *Otacustes crassus crassus*.

Chrysopa oculata Say: *Otacustes crassus chrysopae*.

Chrysopa plorabunda Fitch: *Otacustes crassus crassus*, *Otacustes crassus patruelis*.

Chrysopa rufilabris Burmeister: *Gelis tenellus*, *Otacustes crassus crassus*.

Chrysopa sp.: *Otacustes crassus chrysopae*, *Otacustes crassus crassus*, *Otacustes crassus patruelis*.

Chrysopid: *Brachycyrtus chrysopae*.

COLEOPTERA

GYRINIDAE

Gyrinus sp.: *Bathythrix gyrini*, *Bathythrix pimplae*, *Eriplanus cushmani*,
Hemiteles cheboyganensis, *Hemiteles hungerfordi*.

CLERIDAE

Enoclerus quadriguttatus (Olivier): *Zaleptopygus cleridivorus*.

OEDEMERIDAE

Calopus angustus Leconte: ? *Clistopyga atrata*.

MORDELLIDAE

Tomoxia bidentata (Say): *Arotes decorus*.

Mordellistena aemula Leconte: *Zaleptopygus mordellistena*.

Mordellistena morula Leconte: *Zaleptopygus mordellistena*.

Mordellistena sp.: *Zaleptopygus mordellistena*.

ELATERIDAE

Alaus oculatus (Linnaeus): *Xorides californicus*.

BUPRESTIDAE

Thrincopyge alacris Leconte: *Labena grallator*.

Chalcophora angulicollis (Leconte): *Xorides californicus*.

Dicerca divaricata (Say): *Cubocephalus rectus*, *Deuteroxorides vittifrons*, *Odontocolon vicinum*.

- Dicerca lurida* (Fabricius): ? *Arotes decorus*, *Xorides albopictus*.
Buprestis laeviventris (Leconte): *Xorides californicus*.
Melanophila fulvoguttata (Harris): *Xorides insularis*.
Chrysobothris deserta Horn: *Cryptohelcostizus ornatus*.
Chrysobothris femorata (Olivier): *Labena grillator*, *Xorides calidus*.
Chrysobothris mali Horn: *Cryptohelcostizus mali*.
Chrysobothris sp.: *Ichneumon irritator*.
Chrysobothris sp. in *Malus pumila*: *Cryptohelcostizus chrysobothridis*.
Agrilus angelicus Horn: *Cryptohelcostizus alamedensis*, *Xylophrurus fasciatus*.
Agrilus arcuatus (Say): *Labena grillator*.
Agrilus champlaini Frost: ? *Xylophrurus agrili*, ? *Xylophrurus luctuosus*.
Agrilus vittaticollis Randall: *Xylophrurus agrili*.
Agrilus sp.: *Labena grillator*, *Xorides albopictus*.
Buprestid: *Aplomerus buprestivorus*, *Deuteroxorides borealis*, *Xorides insularis*.

MELANDRYIDAE

- Dircaea quadrimaculata* (Say): *Xorides calidus*.
Serropalpus sp.: *Rhyssa lineolata*, *Rhyssa persuasoria*.

ANOBIIDAE

- Anobiid: *Odontocolon polymorphum*.

SCARABAEIDAE

- Phyllophaga fusca* (Froelich): *Ophion bifoveolatus*.
Phyllophaga sp.: *Ophion bifoveolatus*.

CERAMBYCIDAE

(PRIONINAE)

- Parandra brunnea* (Fabricius): *Odontocolon mellipes*.

(CERAMBYCINAE)

- Tetropium cinnamopterum* Kirby: *Xorides insularis*.
Tetropium velutinum Leconte: *Deuteroxorides borealis*, *Xorides insularis*.
Tetropium sp.: *Odontocolon canadense*.
Chion cinctus (Drury): *Labena grillator*.
Romaleum atomarium (Drury): *Xorides rileyi*.
Elaphidion sp.: *Zaleptopygus champlaini*.
Pseudibidion unicolor (Randall): *Agonocryptus discoidaloides*, *Labena grillator*.
Curius dentatus Newman: *Xorides calidus*.
Obrium rufulum Gahan: *Ichneumon irritator*.
Strangalepta vittata (Olivier): *Arotes vicinus*.
Leptura oblitterata Haldeman: *Odontocolon punctatum*.
"Leptura" sp.: ? *Coleocentrus flavipes*, *Poemenia vancouveriensis*.
Anoplodera chrysocoma (Kirby): ? *Xorides cincticornis*.

- (LAMIINAE)

- CHRY SOMELIDAE

- MEM. AMER. ENT. SOC., 11 pt. 2.

CURCULIONIDAE

- Hypera nigrirostris* (Fabricius): *Bathyplectes exiguus*.
Hypera postica (Gyllenhal): *Bathyplectes curculionis*, *Eriplanus micator*.
Hypera punctata (Fabricius): *Bathyplectes exiguus*, *Biolysia tristis*.
Hypera rumicis (Linnaeus): *Bathyplectes exiguus*.
Pissodes strobi (Peck): *Calliephialtes comstockii*, *Calliephialtes nubilipennis*,
Cubocephalus nitidus, *Hemiteles humeralis*, *Labena grillator*.
Pissodes sp.: *Barycnemis simplicicornis*, *Calliephialtes nubilipennis*.
Anthonomus grandis thurberiae Pierce: *Calliephialtes thurberiae*.
Lixus scrobicollis Boheman: *Labena grillator*.
Mononychus vulpeculus (Fabricius): *Delomerista novita*, *Iseropus coelebs*, *Scambus pterophori*.
Craponius inaequalis (Say): *Stiboscopus brooksi*.
Conotrachelus anaglypticus (Say): *Tersilochus conotracheli*.
Conotrachelus nenuphar (Herbst): *Tersilochus conotracheli*.
Conotrachelus retentus (Say): *Tersilochus conotracheli*.
Cryptorhynchus lapathi (Linnaeus): *Ichneumon irritator*.
Sphenophorus pertinax (Olivier): *Gambrus bituminosus*.
Curculionid: *Calliephialtes comstockii*, *Labena grillator*.

SCOLYTIDAE

- Phloeosinus* sp.: *Helcostizus rufiscutum*.

TRICHOPTERA

LIMNEPHILIDAE

- Limnephilus indivisus* Walker: *Eriplanus biannulatus*.

LEPIDOPTERA

(JUGATAE)

HEPIALIDAE

- Sthenopsis thule* (Strecker): *Pterocormus devinctor*.

ERIOCRANIIDAE

- Mnemonica auricyanea* (Walsingham): *Lathrolestes mnemonicae*.

(FRENATAE)

(Group MICROLEPIDOPTERA)

PRODOXIDAE

- Prodoxus quinquepunctellus* (Chambers): ? *Calliephialtes notandus*.

ADELIDAE

Paraclemensia sp.: *Alophosternum foliicola*.

TINEIDAE

Tinea sp.: *Hypsicera mansuetor*.

Tineola pellionella (Linnaeus): *Hypsicera mansuetor*.

Tineid: *Alegina annulatus*, *Iseropus coelebs*, *Neliopisthus semirufus*, *Zaleptopygus californicus*.

Tineid in *Polyporus dryophilus*: *Campoplex tineavora*.

Tineid on *Betula lenta*: *Campoplex nigricinctus*.

Tineid on *Liriodendron tulipifera*: *Stenomacrus ulmicola*.

Tineid on *Malus pumila*: *Toxophoroides scitulus*.

Tineid on *Myrica* sp.: *Neliopisthus semirufus*.

PSYCHIDAE

Thyridopteryx ephemeraeformis (Haworth): *Iseropus coelebs*, *Itopectis conquisitor*, *Phobetes thyridopteryx*, *Scambus hispae*.

Eurukuttarus confederatus (Grote): *Coccygomimus aequalis*, *Phobetes confederatae*.

Hyaloscotes fragmentella (Hy. Edwards): *Itopectis obesus*.

Hyaloscotes sp.: *Phobetes sheppardi*.

Fumaria casta (Pallas), *Coccygomimus aequalis*, *Itopectis conquisitor*.

Solenobia walshella Clemens: *Horogenes solenobiae*.

LYONETIIDAE

Lyonetia speculella Clemens: *Horogenes lyonetiae*.

Bedellia somnulenta (Zeller): *Isdromas lycaenae*.

Bucculatrix canadensisella Chambers: *Gelis obscurus*, *Gelis urbanus*.

Bucculatrix sp.: *Exochus pallipes*, *Gelis obscurus*, *Gelis pettitii*.

Bucculatrix sp. on *Quercus agrifolia*: *Gelis tenellus*.

Bucculatrix sp. on *Quercus* sp.: *Isdromas lycaenae*.

GRACILARIIDAE

Cameraria coryliella (Chambers): *Alophosternum foliicola*.

Cameraria ulmella (Chambers): *Stenomacrus ulmicola*.

Gracilaria alnivorella Chambers: *Itopectis quadricingulatus*.

Gracilaria packardella Chambers: *Isdromas lycaenae*.

Gracilaria stigmatella (Fabricius): *Haplaspis mandibularis*.

"**Lithocolletis**" sp. on *Grindelia robusta*: *Scambus lithocolletidis*.

COLEOPHORIDAE

Coleophora cinerella Chambers: *Iseropus coelebs*, ?*Scambus hispae*.

Coleophora malivorella Riley: *Gelis tenellus*, *Hyposoter annulipes*, *Isdromas lycaenae*, *Itopectis conquisitor*, *Scambus hispae*.

- Coleophora occidentis** Zeller: *Horogenes antennaellae*, *Horogenes obliteratus*.
Coleophora pruniella Clemens: *Amblyteles subrufus*, *Gelis tenellus*, *Itopectis conquisitor*, *Pseudamblyteles comes*, *Pterocormus funestus*, *Scambus hispae*.
Coleophora salmani Heinrich: *Agrothereutes major*, *Coccygomimus aequalis*, *Coccygomimus aquilonius*, *Cremastus forbesi*, *Gelis obscurus*, *Gelis tenellus*, *Gelis urbanus*, *Itopectis conquisitor*, *Scambus hispae*.
Coleophora sp.: *Alegina columbiana*.
Coleophora sp. on *Aster eastoni*: *Cremastus protractus*.
Coleophora sp. on *Polygonum* sp.: *Lymeon orbus*.
Coleophora sp. on *Ribes* sp.: *Horogenes aestivalis*.
Coleophora sp. on *Salix* sp.: *Gelis tenellus*.
Coleophora sp. on wild cherry: *Scambus hispae*.

YPONOMEUTIDAE

- Eucratia castella** Walsingham: *Itopectis quadricingulatus*.
Plutella armoraciae Busck: *Horogenes plutellae*.
Plutella maculipennis (Curtis): *Camptetis argentifrons*, *Camptetis tibiator*, *Diadromus plutellae*, *Horogenes insularis*, *Horogenes parvus*, *Horogenes plutellae*, *Phaeogenes vincibilis*.
Plutella omissa Walsingham: ?*Horogenes insularis*, *Horogenes plutellae*.
Argyresthia libocedrella Busck: *Camptetis argyresthiae*.
Argyresthia oreasella Clemens: *Horogenes obliteratus*.
Xyrosaris celastrusella (Kearfott): *Horogenes obliteratus*.

AEGERIIDAE

- Alcathoe caudata** (Harris): *Coccygomimus tenuicornis*.
Sanninoidea exitiosa (Say): *Cryptus albitarsis*, *Idechthis nigricoxalis*, *Phaeogenes ater*.
Sanninoidea opalescens (Hy. Edwards): *Cryptus tejonensis*.
Sanninoidea pictipes (Grote & Robinson): *Coccygomimus aequalis*.
Conopia pyri (Harris): *Coccygomimus aequalis*, *Lampronota sesiavora*, *Phaeogenes ater*.
Conopia scitula (Harris): *Itopectis conquisitor*, *Phaeogenes ater*.
Conopia tipuliformis (Linnaeus): *Lampronota scutellaris*, *Phaeogenes ater*.
Podosesia syringae (Harris): *Cratichneumon unifasciatus*, *Phaeogenes ater*.
Paranthrene perlucida (Busck): ?*Xorides californicus*.
"Sesia" sp.: *Phaeogenes ater*.

GLYPHIPTERYGIDAE

- Anthophila pariana** (Clemens): *Horogenes obliteratus*, *Itopectis conquisitor*, *Scambus hispae*, *Triclistus fulvipes*, *Triclistus propinquus*.
Choreutis balsamorrhyzella Busck: *Camptetis websteri*.

OECOPHORIDAE

Agonopteryx pulvipenella (Clemens): *Zaleptopygus mellipes*.

Depressaria sp.: *Itoplectis obesus*.

Psilocorsis sp.: *Atrometus clavipes*, *Itoplectis conquisitor*, *Neliopisthus semirufus*.

GELECHIIDAE

Isophrictis similiella (Chambers): *Cremastus facilis*.

Aristotelia pudibundella (Zeller): *Cymodusopsis aristoteliae*.

Aristotelia rubidella (Clemens): ?*Horogenes obliteratus*.

Chrysopora sp.: *Sternocryptus bitinctus*.

Recurvaria nanella (Huebner): *Coccygomimus aequalis*.

Recurvaria piceaella Kearfott: *Campoplex rufipes*, *Neliopisthus piceae*, *Phaogenes epinotiae*, *Pimplopterus recurvariae*.

Recurvaria robiniella (Fitch): *Asphragis mirabilis*.

Recurvaria thujaella Kearfott: *Scambus hispae*.

Exoteleia pinifoliella (Chambers): *Alegina pinifoliae*.

Chionodes violaceofusca (Zeller): *Horogenes discoocellellae*.

Filatima persicaeella (Murtfelt): *Cremastus forbesi*, *Horogenes discoocellellae*, *Scambus hispae*.

Filatima pseudoacaciella (Chambers): *Hyposoter annulipes*, *Lampronota scutellaris*.

Frumenta nundinella (Zeller): *Zaleptopygus retiniae*.

Aroga trialbamaculella (Chambers): *Cremastus forbesi*, *Horogenes comptoniellae*.

Fascista cercerisella (Chambers): *Idechthis gelechia*.

Gnorimoschema axenopsis (Meyrick): *Cremastus minor*.

Gnorimoschema baccharisella Busck: *Calliephialtes notandus*.

Gnorimoschema gallaeasteriella (Kellicott): *Calliephialtes notandus*, *Coccygomimus aequalis*, *Gambrus tunicularubra*, *Scambus pterophori*.

Gnorimoschema gallaesolidaginis (Riley): *Calliephialtes notandus*, *Campoplex depressus*, *Campoplex dimidiatus*, *Dicaelotus gelechia*, *Glypta caulicola*, *Ichneumon pygmaeus*, *Iseropus coelebs*, *Mastrus cressoni*, *Scambus pterophori*, *Zaleptopygus gallaecola*.

Gnorimoschema operculella (Zeller): *Campoplex phthorimaeae*, *Coccygomimus aequalis*, *Horogenes compressus*, *Itoplectis conquisitor*, *Nepiera fuscifemora*, *Scambus hispae*.

Keiferia glochinella (Zeller): *Campoplex phthorimaeae*, *Horogenes compressus*, *Scambus hispae*.

Keiferia lycopersicella (Busck): *Horogenes compressus*.

Anacamptis fragariella Busck: *Exochus pleuralis*.

Anarsia lineatella (Zeller): *Coccygomimus sanguineipes*, *Itoplectis obesus*, *Mastrus aciculatus*.

Dichomeris bipunctella (Walsingham): *Toxophoroides albomarginatus*.

Dichomeris ligulella (Huebner): *Horogenes obliteratus*, *Scambus hispae*.

Dichomeris marginella (Fabricius): *Coccygomimus aequalis*, *Itoplectis conquisitor*.

Trichotaphe juncidella Clemens: *Glypta monita*, *Glypta vulgaris*.

Trichotaphe levisella Fyles: *Mastrus smithii*, *Pimplopterus marginatus*.

"Gelechias" sp.: *Cremastus minor*, *Glypta vulgaris*, *Idechthis gelechia*, *Pristomerus melleus*.

"Gelechias" sp. on *Salix* sp.: *Horogenes oblitteratus*.

"Gelechias" sp. on tuber of *Solanum tuberosum*: *Gelis gelechia*.

EPERMENIIDAE

Epermenia cicutaella Kearfott: *Itopectis conquistator*.

COSMOPTERYGIDAE

Stigmatophora ceanothiella Cosens: *Scambus pterophori*.

MOMPHIDAE

Homaledra sabalella (Chambers): *Lyneon orbus*.

Cyphophora eloisella (Clemens): *Cremastus epagoges*, *Iseropus coelebs*, *Scambus pterophori*.

Walshia amorphella Clemens: *Calliephialtes notandus*, *Calliephialtes nucicola*, *Phaeogenes walshiae*.

COSSIDAE

Prionoxystus sp. in *Castanea dentata*: *Lampronota prionoxysti*.

TORTRICIDAE

Homona fervidana Walker: *Exochus albifrons*, *Exochus annulicrus*, *Exochus pallipes*, *Itopectis conquistator*, *Triclistus fulvipes*.

Amorbia humerosana Clemens: *Glypta phoxopterididis*.

Sparganothis pettitana (Robinson): *Itopectis conquistator*.

Sparganothis sulfureana (Clemens): *Cremastus epagoges*, *Cremastus tortricidis*, *Horogenes compressus*.

Platynota flavedana Clemens: *Cremastus platynotae*.

Platynota rostrana (Walker): ? *Polysphincta albipes*.

Platynota stultana (Walsingham): *Horogenes compressus*.

Archips argyrospila (Walker): *Coccygomimus pedalis*, *Glypta simplicipes*, *Iseropus coelebs*, *Itopectis conquistator*, *Itopectis obesus*, *Phaeogenes cacoeciae*, *Phytodietus vulgaris*, *Scambus alboricta*, *Scambus hispae*.

Archips cerasivorana (Fitch): *Cremastus epagoges*, *Exochus albifrons*, *Exochus pallipes*, *Itopectis conquistator*, *Labrorychus prismaticus*, *Triclistus fulvipes*, *Triclistus pygmaeus*.

Archips conflictana (Walker): *Campoplegidea seamansi*.

Archips fervidana (Clemens): *Exochus pallipes*.

Archips fumiferana (Clemens): *Coccygomimus sanguineipes*, *Ephialtes ontario*, *Glypta fumiferanae*, *Iseropus coelebs*, *Itopectis conquistator*, *Itopectis obesus*, *Itopectis quadricingulatus*, *Phaeogenes harioilus*, *Phytodietus fumiferanae*, *Scambus atrocoxalis*, *Scambus hispae*, *Theronia atalantae*.

- Archips rosaceana** (Harris): *Glypta simplicipes*, *Horogenes eureka*, *Itopectis conquisitor*.
- Archips rosana** (Linnaeus): *Horogenes cacoeciae*, *Horogenes rosanae*, *Hyposoter basizona*, *Itopectis atrocoxalis*.
- Archips semiferana** (Walker): *Iseropus coelebs*.
- Amelia clemensiana** (Fernald): *Glypta rufofasciata*.
- Amelia pallorana** Robinson: *Horogenes compressus*.
- Argyrotaenia lutosana** (Clemens): *Eclytus pleuralis*, *Exochus pallipes*, *Phytodietus vulgaris*.
- Argyrotaenia mariana** (Fernald): *Coccygomimus pedalis*, *Coccygomimus tenuicornis*, *Ephialtes ontario*, *Itopectis conquisitor*, *Itopectis quadricingulatus*, *Phytodietus vulgaris*.
- Argyrotaenia pinatubana** (Kearfott): *Eclytus pleuralis*, *Itopectis conquisitor*, *Phytodietus pleuralis*, *Phytodietus vulgaris*, *Scambus alboricta*, *Scambus hispae*.
- Argyrotaenia quercifolia** (Fitch): *Coccygomimus aequalis*, *Itopectis conquisitor*.
- Argyrotaenia velutinana** (Walker): *Cremastus forbesi*, *Glypta vulgaris*, *Horogenes obliteratus*, *Itopectis conquisitor*, *Lampronota pleuralis*, *Phygadeuon exiguus*, *Phytodietus vulgaris*, *Scambus hispae*, *Triclistus fulvipes*.
- Cnephasia longana** (Haworth): *Horogenes eureka*, *Phytodietus burgessi*.
- Argyrotoxa albicomana** (Clemens): *Itopectis conquisitor*.
- Argyrotoxa semipurpurana** (Kearfott): *Glypta rufiscutellaris*, *Itopectis conquisitor*.
- Peronea fragariana** Kearfott: *Horogenes comptoniellae*.
- Peronea hastiana** (Linnaeus): *Itopectis conquisitor*.
- Peronea logiana** (Linnaeus): *Phytodietus burgessi*.
- Peronea minuta** (Robinson): *Campoplex validus*, *Cremastus forbesi*, *Glypta simplicipes*, *Horogenes obliteratus*, *Itopectis conquisitor*, *Phytodietus vulgaris*, *Scambus hispae*.
- Peronea minuta cinderella** (Riley): *Glypta simplicipes*.
- Peronea oxycoccana** (Packard): *Coccygomimus aequalis*.
- Peronea variana** (Fernald): *Atrometus clavipes*, *Ephialtes ontario*, *Exochus annulicrus*, *Gelis tenellus*, *Horogenes obliteratus*, *Itopectis conquisitor*, *Itopectis obesus*, *Itopectis quadricingulatus*, *Phaeogenes gaspesianus*, *Phaeogenes hariolus*, *Phytodietus vulgaris*, *Scambus hispae*.
- Peronea** sp.: *Iseropus coelebs*, *Phaeogenes arcticus*.
- Peronea** sp. on *Carpinus caroliniana*: *Itopectis conquisitor*.
- Peronea** sp. on *Castanea dentata*: *Erigorgus acleivorus*.
- Amelia pallorana** Robinson or **Sparganothis sulfureana** Clemens: *Phytodietus burgessi*.
- "**Tortrix**" leaf folder on *Ribes* sp.: *Glypta simplicipes*.
- "**Tortrix**" sp. on *Quercus* sp.: *Campoplex rufipes*.
- "**Tortrix**" sp. on wild pea: *Ephialtes ontario*.

- Tortricid: *Alegina annulatus*, *Asphragis mirabilis*, ? *Campoplex furus*, ? *Charopsimorpha tibialis*, *Ephialtes picticornis*, *Glypta caulicola*, *Itopectis conquisitor*.
 Tortricid leaf gall on *Solidago graminifolia*: *Hypsicera femoralis*.
 Tortricid leaf roller on *Solidago* sp.: *Lissonota rufipes*.
 Tortricid on fruit of *Gossypium hirsutum*: *Scambus hispae*.
 Tortricid on *Myrica asplenifolia*: *Asphragis mirabilis*, *Scambus hispae*.
 Tortricid on *Populus* sp.: *Syzeuctus elegans*.
 Tortricid on *Quercus* sp.: *Aoplus leucopsis*, *Itopectis conquisitor*, *Toxophoroides xanthozonatus*.

OLETHREUTIDAE

- Episimus argutanus* (Clemens): *Cremastus forbesi*, *Scambus alboricta*.
Polychrosis carduana Busck: *Campoplex polychrosidis*.
Polychrosis liriodendrana Kearfott: *Phytodietus burgessi*.
Polychrosis viteana (Clemens): *Agrothereutes iridescens*, *Campoplex nolae*, *Campoplex tortricidis*, *Gambrus ultimus*, *Glypta animosa*, *Glypta mutica*, *Glypta vulgaris*, *Horogenes compressus*, *Horogenes oblitteratus*, *Ischnus fraterculus*, *Itopectis conquisitor*, *Mastrus polychrosidis*, *Scambus hispae*, *Triclistus fulvipes*.
Zomaria interruptolineana (Fernald): *Glypta vulgaris*.
Exartema cornanum Heinrich: *Campoplex hyalinus*, *Itopectis conquisitor*.
Exartema feriferanum (Walker): *Itopectis conquisitor*.
Exartema exaeresimum Heinrich: *Triclistus fulvipes*.
Exartema footianum (Fernald): *Glypta rubripes*, *Glypta simplicipes*.
Exartema inornatanum Clemens: *Glypta simplicipes*.
Exartema permundanum Clemens: *Campoplex hyalinus*.
Exartema punctanum Walsingham: *Glypta vulgaris*.
Exartema sericoranum Walsingham: *Phytodietus burgessi*.
Exartema viburnanum McDunnough: *Glypta exartemae*.
Exartema sp.: *Glypta exartemae*.
Rhyacionia buoliana (Schiffermüller): *Calliephialtes comstockii*, *Cremastus decoratus*, *Cremastus interruptor*, *Itopectis conquisitor*, *Itopectis evetriae*, *Itopectis obesus*, *Scambus hispae*.
Rhyacionia frustrana (Comstock): *Calliephialtes comstockii*, *Campoplex frustranae*, *Cremastus epagoges*, *Glypta varipes*, *Itopectis conquisitor*, *Scambus hispae*.
Rhyacionia frustrana bushnelli (Busck): *Cremastus epagoges*, *Cremastus evetriae*, *Itopectis conquisitor*, *Pristomerus baumhoferi*, *Scambus aplopappi*, *Scambus evetrivorus*.
Rhyacionia pasadenana (Kearfott): *Scambus aplopappi*.
Rhyacionia rigidana (Fernald): *Zaleptopygus retiniae*.
Rhyacionia sp. in *Pinus ponderosa*: *Atrometus evetrivorus*.
Petrova comstockiana (Fernald): *Calliephialtes comstockii*, *Zaleptopygus retiniae*.

- Barbara colfaxiana siskiyouana** (Kearfott): *Exochus evetriae*, *Itopectis evetriae*, *Scambus ephialtoides*.
- Barbara colfaxiana taxifoliella** (Busck): *Calliephialtes comstockii*, ? *Campoplex conocola*, *Exochus evetriae*, *Glypta evetriae*, *Itopectis evetriae*, *Pimpla pterophori*.
- Spilonota ocellana** (Dennis & Schiffermüller): *Itopectis conquisitor*, *Itopectis obesus*, *Phytodietus vulgaris*.
- Thiodia olivaceana** (Riley): *Delomerista novita*, *Iseropus coelebs*.
- Epiblema obfuscana** (Dyar): *Glypta rufiscutellaris*.
- Epiblema otiosana** (Clemens): *Pristomerus ocellatus*, *Scambus pterophori*.
- Epiblema scudderiana** (Clemens): *Centeterus euryptychiae*, *Glypta caulicola*, *Glypta rufiscutellaris*, *Otacustes crassus crassus*, *Pristomerus euryptychiae*, *Scambus pterophori*, *Tromatobia rufovariata*.
- Epiblema strenuana** (Walker): *Calliephialtes grapholithae*, *Calliephialtes notandus*, *Campoplex argenteus*, *Cremastus epagoges*, *Cremastus forbesi*, *Cremastus gracilipes*, *Cremastus minor*, *Glypta rufiscutellaris*, *Phaeogenes walshiae*, *Pristomerus ocellatus*, *Scambus pterophori*.
- Proteoteras aesculana** Riley: *Calliephialtes notandus*, *Glypta militaris*, *Glypta rufiscutellaris*, *Horogenes oblitteratus*, *Scambus pterophori*.
- Gretchena bolliana** (Slingerland): *Coccygomimus aequalis*, *Coccygomimus inflatus*.
- Rhobopota naevana** (Huebner): *Cremastus forbesi*, *Cremastus minor*.
- Epinotia arctostaphylana** (Kearfott): *Campoplex epinotiae*.
- Epinotia laracana** (Kearfott): *Glypta rufiscutellaris*.
- Epinotia nanana** (Treitschke): *Campoplex nanana*, *Campoplex rufipes*, *Phaeogenes epinotiae*.
- Anchylopera platanana** Clemens: *Phytodietus burgessi*.
- Anchylopera** sp.: *Gelis urbanus*, *Itopectis quadricingulatus*.
- Ancylis comptana** (Frölich): *Charops infesta*, *Cremastus cookii*, *Exochus pleuralis*, *Gambrus ultimus*, *Glypta phoxopteridis*, *Glypta rufiscutellaris*, *Ischnus fraterculus*, *Itopectis conquisitor*, *Phaeogenes walshiae*, *Pristomerus ocellatus*, *Scambus alboricta*, *Scambus hispae*, *Scambus pterophori*.
- Ancylis comptana floridana** (Zeller): ? *Itopectis quadricingulatus*.
- Ancylis comptana fragariae** (Walsh & Riley): *Cremastus cookii*, *Exochus pleuralis*, *Phytodietus vulgaris*.
- Grapholitha interstinctana** (Clemens): *Glypta phoxopteridis*.
- Grapholitha molesta** Busck: *Atrometus clavipes*, *Calliephialtes benefactor*, *Calliephialtes grapholithae*, *Campoletis argentifrons*, *Campoletis patsuitetorum*, *Campoplex tortricidis*, *Coccygomimus aequalis*, *Coccygomimus inflatus*, *Cremastus carpocapsae*, *Cremastus epagoges*, *Cremastus forbesi*, *Cremastus gracilipes*, *Cremastus grapholithae*, *Cremastus minor*, *Cremastus tortricidis*, *Cryptus albitalis*, *Cubocephalus alacris*, *Gambrus ultimus*, *Gelis tenellus*, *Glypta phoxopteridis*, *Glypta rufiscutellaris*, *Glypta varipes*, *Glypta vulgaris*, *Horogenes molestae*, *Horogenes oblitteratus*, *Horogenes rosanae*, *Idechthis nigricoxalis*, *Itopectis conquisitor*, *Lampronota sesiavora*, *Lyneon orbus*, *Mastrus*

carpocapsae, *Mastrus pilifrons*, *Mastrus smithii*, *Phaeogenes walshiae walshiae*, *Phobetes thyridopteryx*, *Pristomerus euryptychiae*, *Pristomerus ocellatus*, *Scambus hispae*, *Scambus pterophori*, *Triclistus fulvipes*.

Grapholitha molesta (Busck) secondary: *Gelis tenellus*.

Grapholitha packardii Zeller: *Glypta rufiscutellaris*.

Grapholitha prunivora (Walsh): *Glypta rufiscutellaris*, *Glypta varipes*.

Laspeyresia caryana (Fitch): *Calliephialtes grapholithae*, *Glypta rufiscutellaris*, *Mastrus carpocapsae*, *Phaeogenes walshiae australis*.

Laspeyresia youngana (Kearfott): *Campoplex temporalis*.

Laspeyresia "toreuta" (Grote): *Campoplex laspeyresiae*.

Laspeyresia sp.: *Poemenia americana*.

Melissopus latiferreanus (Walsingham): *Calliephialtes nucicola*, *Glypta rufiscutellaris*, *Pimplopterus inconstans*.

Carpocapsa pomonella (Linnaeus): *Calliephialtes grapholithae*, *Calliephialtes nucicola*, *Coccygomimus aequalis*, *Coccygomimus inflatus*, *Coccygomimus sanguineipes*, *Cremastus carpocapsae*, *Cremastus epagoges*, ? *Exetastes septum*, *Glypta rufiscutellaris*, *Glypta varipes*, *Itopectis conquisitor*, *Itopectis quadringulatus*, *Mastrus carpocapsae*, *Mastrus pilifrons*, *Phytodietus burgessi*, *Pristomerus euryptychiae*, *Scambus hispae*, *Scambus pterophori*.

"Evetria" sp.: *Itopectis evetriae*.

"Paedisca" sp.: *Atrometus paediscae*, *Glypta macra*.

PTEROPHORIDAE

Pterophorus periscelidactylus Fitch: ? *Cubocephalus pallidus*, *Itopectis conquisitor*, *Phaeogenes mellinus*.

Platyptilia carduidactyla (Riley): *Campoplex polychrosidis*, *Colpognathus helvus*, *Horogenes acutus*, *Scambus pterophori*.

Platyptilia williamsii Grinnell: *Scambus pterophori*.

Oidaematophorus lacteodactylus (Chambers): *Cremastus pterophori*.

Oidaematophorus occidentalis Walsingham: *Hyposoter occidentalis*.

"Pterophorus" sp. on stems of *Baccharis pilularis*: *Scambus pterophori*.

"Pterophorus" sp. on *Malus pumila*: *Horogenes pterophorae*.

PHYCITIDAE

Acrobasis betulella Hulst: *Itopectis conquisitor*, *Phaeogenes phycidis*, *Phytodietus burgessi*.

Acrobasis caryalbella Ely: *Itopectis conquisitor*.

Acrobasis caryivorella Ragonot: *Horogenes comptoniellae*, *Itopectis conquisitor*, *Pristomerus euryptychiae*.

Acrobasis comptoniella Hulst: *Erigorgus aclerivorus*, *Horogenes comptoniellae*, *Itopectis conquisitor*.

Acrobasis juglandis (LeBaron): *Calliephialtes grapholithae*, *Coccygomimus aequalis*, *Ephialtes picticornis*, *Exochus apicalis*, *Iseropus coelebs*, *Itopectis conquisitor*, *Scambus hispae*.

- Acrobasis kearfottella** Dyar: *Eclytus pleuralis*, *Itopectis conquisitor*.
Acrobasis rubrifasciella Packard: *Anomalon exile*, *Cratichneumon quintilis*,
Delomerista novita, *Horogenes comptoniellae*, *Itopectis conquisitor*.
Acrobasis sp.: *Calliephialtes grapholithae*, *Iseropus coelebs*, *Itopectis conquisitor*,
Mesostenus thoracicus, *Scambus hispae*.
Mineola indiginella (Zeller): *Campoletis tibiator*, *Gelis tenellus*, *Hyposoter an-*
nulipes, *Hyposoter fugitivus*, *Itopectis conquisitor*, *Pimplopterus acrobasisidis*,
Scambus hispae.
Mineola vaccinii (Riley): *Pristomerus euryptychia*.
Dioryctria abietella (Dennis & Schiffermüller): *Campoplex milleri*.
Dioryctria cambiicola (Dyar): *Itopectis evetriae*.
Dioryctria xanthaenobares Dyar: *Pimplopterus dakrumae*.
Dioryctria zimmermani (Grote): *Calliephialtes comstockii*, *Itopectis evetriae*.
Dioryctria sp.: *Calliephialtes comstockii*.
Dioryctria sp. in cones of *Pinus coulteri*: *Campoplex conocola*.
Monoptilota pergratialis (Hulst): *Mesostenus thoracicus*.
Ambesa walsinghami Ragonot: *Mesostenus thoracicus*.
Meroptera pravella (Grote): *Exochus pictus*.
Elasmopalpus lignosellus (Zeller): *Pristomerus melleus*.
Epischnia granitella Ragonot: *Syzeuctus epischniae*, *Trichomma granitellae*.
Etiella zinckenella (Treitschke): *Trichomma maceratum*.
Melitara sp.: *Mesostenus thoracicus*.
Rumatha glaucatella (Hulst): *Cremastus sinuatus*.
Cactobrosis strigalis (Barnes & McDunnough): *Cremastus sinuatus*.
Ozamia fuscomaculella clarefacta Dyar: *Mesostenus gracilis*.
Zophodia convolutella (Huebner): *Coccygomimus sanguineipes*, *Mesostenus gra-*
cilis.
Euzophera semifuneralis (Walker): *Coccygomimus aequalis*, *Idechthis nigri-*
coxalis, *Mesostenus gracilis*, *Mesostenus thoracicus*.
Laetilia coccidivora (Comstock): *Mesostenus gracilis*, *Mesostenus thoracicus*,
?Pimplopterus dakrumae.
Laetilia sp.: *Pimplopterus dakrumae*.
Psorosina hammondi (Riley): *Campoplex validus*, *Cryptus albitarsis*, *Toxopho-*
roides albomarginatus.
Ephestia cautella (Walker): *Idechthis canescens*.
Ephestia elutella Huebner: *Mesostenus gracilis*.
Ephestia figulilella Gregson: *Idechthis canescens*, *Mesostenus gracilis*.
Ephestia kuehniella Zeller: *?Horogenes kiehtani*, *Hyposoter fugitivus*, *Idechthis*
canescens, *Mesostenus gracilis*.
Plodia interpunctella (Huebner): *?Horogenes kiehtani*, *?Hyposoter pilosulus*,
Idechthis canescens, *?Olesicampe lophyri*.
"Phycita" sp.: *Glypta varipes*.

EPIPASCHIIDAE

Tetralopha subcanalis (Walker): *Toxophoroides scitulus*, *Zaleptopygus tetralophae*.

GALLERIIDAE

Galleria mellonella (Linnaeus): *Horogenes galleriae*, *Idechthis canescens*.

CRAMBIDAE

Crambus tenerellus (Zincken): *Horogenes pattoni*.

Crambus topiarius Zeller: *Cremastus facilis*.

Crambus trisectus (Walker): *Coccygomimus aequalis*.

Crambus vulgivagellus Clemens: *Cryptus persimilis*, *Pimplopterus frigidus*.

Crambus zeellius Fernald: *Campoletis argentifrons*.

Crambus sp.: *Horogenes obscurus*, *Listrognathus albomaculatus* var. *albomaculatus*, ?*Zaleptopygus retiniae*.

Diatraea crambidoides Grote: *Cremastus ferrugineus*.

Diatraea sp.: *Gambrus bituminosus*.

Chilo forbesellus Fernald: *Cremastus chilonis*, *Neostricklandia sericata*.

Chilo sp. near *plejadellus* Zincken: *Coccygomimus aequalis*.

Occidentalia comptulatalis (Hulst): *Cremastus chilonis*, *Neostricklandia sericata*.

Crambid on *Triticum aestivum* and other grass: *Campoletis oxylus*.

PYRALIDIDAE

Pyralis farinalis (Linnaeus): *Hypsicera mansuetor*.

Pyralidid: *Glypta caulicola*.

Pyralidid in water lily: *Apsilops hirtifrons*.

Pyralidid on *Alnus rugosa*: *Hypsicera femoralis*.

Pyralidid? on *Betula alba*: *Scambus hispae*.

Pyralidid on *Carya* sp.: *Mesostenus thoracicus*.

Pyralidid on *Solidago* sp.: *Eiphosoma pyralidis*.

Pyralidid on thistle: *Phaeogenes vincibilis*.

PYRAUSTIDAE

(GLAPHYRIINAE)

Dicymolomia julianalis (Walker): *Cremastus gracilipes*, *Scambus hispae*, *Scambus tecumseh*.

(PYRAUSTINAE)

Hymenia fascialis (Cramer): *Campoletis argentifrons*, *Charops infesta*.

Desmia funeralis (Huebner): *Coccygomimus sanguineipes*, *Horogenes obliteratus*, *Mesochorus discitergus*, *Triclistus propinquus*, *Triclistus pygmaeus*.

Diaphania hyalinata (Linnaeus): *Charops infesta*, *Itopectis conquisitor*.

Diaphania quadristigmalis (Guenée): *Glypta vulgaris*, *Itopectis conquisitor*.

Hellula undalis (Fabricius): *Cremastus facilis*, *Horogenes insularis*, *Horogenes plutellae*.

Mimorista flavidissimalis (Grote): *Eiphosoma bruesi*, *Eiphosoma texanum*.

Loxostege similalis (Guenée): *Horogenes pattoni*, *Mesochorus electilis*, *Phytodietus pulcherrimus*.

Loxostege sticticalis (Linnaeus): *Campoletis patsuietorum*, *Campoplex furus*.

Loxostege sp.: *Pristomerus appalachianus*.

Tholeria reversalis (Guenée): *Coccygomimus sanguineipes*.

Phlyctaenia extricalis (Guenée): *Mesostenus thoracicus*.

Phlyctaenia rubigalis (Guenée): *Campoplex phthorimaeae*, *Charops infesta* *Coccygomimus sanguineipes*, *Horogenes acutus*.

Phlyctaenia tertialis (Guenée): *Campoplex validus*, *Gambrus ultimus*, *Phytodietus pulcherrimus*, *Triclistus propinquus*.

Pyrausta ainsliei Heinrich: *Cremastus facilis*, *Gambrus bituminosus*, *Pterocormus laetus*.

Pyrausta futilalis (Lederer): *Mesostenus thoracicus*.

Pyrausta nubilalis (Huebner): *Campoletis argentifrons*, *Gambrus bituminosus*, *Horogenes punctorius*, *Itoplectis conquisitor*, *Melanichneumon brevicinctor*, *Scambus pterophori*, *Zaleptopygus flavo-orbitalis*.

Pyrausta penitalis (Grote): *Cremastus facilis*, *Gambrus bituminosus*, *Labrorychus prismaticus*.

Pyrausta subsequalis (Guenée): *Horogenes acutus*, *Glypta vulgaris*.

Pyrausta theseusalis (Walker): *Gambrus nunciatus*.

(NYMPHULINAE)

Nymphula oblitalis (Walker): *Apsilops hirtifrons*.

Nymphula sp.: *Apsilops hirtifrons*.

THYRIDIDAE

Meskea dyspteraria Grote: *Calliephialtes grapholithae*.

MEGALOPYGIDAE

Megalopyge opercularis (Abbot & Smith): *Compsocryptus retentor*.

LIMACODIDAE

Sibine stimulea (Clemens): *Acrolyta nigricapitata*.

Alarodia slossoniae (Packard): *Christolia texana*.

(Group MACROLEPIDOPTERA)

GEOMETRIDAE

(OENOCRROMINAE)

Alsophila pometaria (Harris): *Phobocampe clisiocampae*.

(GEOMETRINAE)

Synchlora aerata (Fabricius): *Hyposoter sarntheinii*.

Synchlora rubrifrontaria Packard: *Campoplegidea variabilis*.

Synchlora sp.: *Hyposoter synchlora*.

(LARENTIINAE)

Calocalpe undulata (Linnaeus): *Campoplex validus*.

Coryphista meadii (Packard): *Coccygomimus aequalis*, *Cratichneumon signatipes*.

Eupithecia miserulata Guenée: *Charops eupitheciae*.

Lygris diversilineata (Huebner): *Campoplegidea diversa*.

Hydriomena divisaria (Walker): *Campoplegidea luctuosa*, *Euceros thoracicus*.

Eulype hastata gothicata (Guenée): *Campoplegidea lapponica kukakensis*.

(ENNOMINAE)

Bapta semiclarata (Walker): *Campoplegidea quebecensis*.

Semiothisa bisignata (Walker): *Charops eupitheciae*.

Semiothisa granitata (Guenée): *Campoplegidea lobata*, *Campoplegidea vicina*, *Charops eupitheciae*, *Euceros frigidus*, *Euceros thoracicus*, *Platylabus ornatus*.

Semiothisa sexmaculata (Packard): *Campoplegidea vicina*.

Itame sulphurea (Packard): *Melanichneumon brevicinctor*, *Pterocormus putus*.

Ematurga amitaria (Guenée): *Campoplegidea variabilis*, *Cratichneumon sublatus*.

Paraphia piniata Packard: *Coelichneumon caeruleus*.

Protoboarmia porcelaria (Guenée): *Coccygomimus pedalis*, *Cratichneumon acerbus*, *Cratichneumon promptus*, *Mastrus aciculatus*.

Phigalia titea (Cramer): *Campoplegidea vitticollis*, *Phobocampe flavipes*.

Erannis tiliaria (Harris): *Phobocampe flavipes*.

Nematocampa limbata (Haworth): *Itoplectis conquisitor*.

Ennomos subsignarius (Huebner): ? *Ephialtes annulicornis*, *Glypta simplicipes*, *Itoplectis conquisitor*, *Phobocampe flavipes*, *Scambus hispae*, *Theronia atlantae*.

Sabulodes caberata Guenée: *Ophion magniceps*.

Nepytia canosaria (Walker): *Aoplus velox*, *Ephialtes ontario*, *Itoplectis conquisitor*.

Caripeta divisata Walker: *Euceros thoracicus*.

Lambdina fiscellaria fiscellaria (Guenée): *Aoplus velox*, *Campoplegidea ellopiae*, *Coccygomimus pedalis*, *Ephialtes ontario*, *Itoplectis conquisitor*, *Itoplectis obesus*, *Mastrus argeae*, *Mesochorus hamatus*.

Lambdina fiscellaria lugubrosa (Hulst): *Ephialtes ontario*.

Lambdina fiscellaria somnaria (Hulst): *Aoplus cestus*, *Coccygomimus ellopiae*, *Ephialtes ontario*, *Itoplectis obesus*.

Lambdina sp.: *Aoplus cestus*, *Coccygomimus sanguineipes*, *Itoplectis obesus*.

Cingilia catenaria (Drury): *Itoplectis conquisitor*, *Therion morio*.

Prochoerodes forficaria (Guenée): *Coelichneumon caeruleus*, *Melanichneumon zebratus*.

Prochoerodes forficaria catenulata Grote: *Coccygomimus sanguineipes*.

(Miscellaneous Geometridae)

Canker worm: *Horogenes oculus*, *Melanichneumon residuus*.

Geometrid on *Betula alba*: *Phobocampe geometrae*.

Geometrid on black oak: *Thyreodon atricolor flavicorne*.

Geometrid on *Physalis viscosa*: *Phytodietus vulgaris*.

Geometrid on woodbine: *Pterocormus laetus*.

DREPANIDAE

Oreta rosea (Walker): *Theronia atalantae*.

Drepana bilineata (Packard): *Enicospilus purgatus*.

ZANOLIDAE

Apatelodes torrefacta Abbott & Smith: *Enicospilus americanus*.

LASIOCAMPIDAE

Artace cribraria (Ljungh): *Enicospilus glabratus*.

Tolyte laricis (Fitch): *Chromocryptus planosae*.

Tolyte velleda (Stoll): *Chromocryptus planosae*.

Malacosoma ambisimile (Dyar): *Hyposoter fugitivus pacificus*.

Malacosoma americanum (Fabricius): *Campoplex validus*, *Charops limenitidis*, *Coccygomimus maurus*, *Coccygomimus pedalis*, *Gambrus extrematis*, *Glypta simplicipes*, *Hyposoter fugitivus*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Labrorychus analis*, *Phobocampe clisiocampae*, *Theronia atalantae*.

Malacosoma californicum (Packard): *Hyposoter fugitivus*, *Iseropus californiensis*, *Iseropus coelebs*.

Malacosoma constrictum (Stretch): *Iseropus californiensis*, *Iseropus coelebs*.

Malacosoma disstria (Huebner): *Campoplegidea vitticollis*, *Coccygomimus pedalis*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Iseropus brunneifrons*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Labrorychus analis*, *Phobocampe clisiocampae*, *Theronia atalantae*.

Malacosoma disstria erosum (Stretch): *Campoplex validus*.

Malacosoma fragile (Stretch): *Coccygomimus sanguineipes*, *Itoplectis atrocaxalis*, *Itoplectis conquisitor*, *Labrorychus analis*.

Malacosoma pluviale (Dyar): *Hyposoter fugitivus pacificus*.

Malacosoma sp.: *Anomalon exile*, *Gambrus extrematis*, *Itoplectis atrocaxalis*, *Itoplectis conquisitor*, *Labrorychus analis*, *Phobocampe clisiocampae*, *Theronia atalantae*.

Epicnaptera americana (Harris): *Chromocryptus planosae*.

LYMANTRIIDAE

Byrdia groenlandica (Homeyer): *Hyposoter pectinatus*.

Byrdia rossii (Curtis): *Cratichneumon lariae*.

Notolophus antiquus (Linnaeus): *Campoplex validus*, *Charops limenitidis*, *Cratichneumon unifasciatus*, *Ephialtes pacificus*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Phobocampe pallipes*, *Scambus hispae*.

Notolophus antiquus badius (Hy. Edwards): *Coccygomimus pedalis*, *Iseropus brunneifrons*.

Hemerocampa definita (Packard): *Iseropus coelebs*.

Hemerocampa leucostigma (Abbott & Smith): *Bathythrix pimplae*, *Campoplex validus*, *Charops limenitidis*, *Coccygomimus maurus*, *Coccygomimus pedalis*, *Coelichneumon caeruleus*, *Cratichneumon unifasciatus*, *Gelis insolitus*, *Gelis tenellus*, *Ilapaspis mandibularis*, *Iseropus brunneifrons*, *Iseropus coelebs*, *Itopectis conquisitor*, *Labrorychus analis*, ?*Melanichneumon subcyaneus*, *Phobetes thyridopteryx*, *Phobocampe clisiocampae*, *Pterocormus laetus*, *Scambus hispae*, *Theronia atalantae*.

Hemerocampa osleri (Barnes): *Coccygomimus sanguineipes*, *Iseropus brunneifrons*.

Hemerocampa pseudotsugata McDunnough: *Coccygomimus sanguineipes*, *Glypta fumiferanae*, *Iseropus brunneifrons*, *Itopectis obesus*, *Phobocampe pallipes*, *Theronia atalantae*.

Hemerocampa vetusa var. **gulosa** (Hy. Edwards): *Iseropus orgyiae*.

Hemerocampa sp.: *Iseropus coelebs*, *Iseropus orgyiae*, *Itopectis conquisitor*, *Theronia atalantae*.

Olene atomaria (Walker): *Hyposoter parorygiae*, *Hyposoter rubiginosus*.

Olene basiflava (Packard): *Charops limenitidis*, *Hyposoter rubiginosus*.

Olene leucophaea (Abbott & Smith): *Itopectis conquisitor*, *Theronia atalantae*.

Olene plagiata pinicola Dyar: *Coccygomimus pedalis*.

Olene sp.: *Iseropus coelebs*.

Porthetria dispar (Linnaeus): *Campoplex validus*, *Coccygomimus pedalis*, *Itopectis conquisitor*, *Phobocampe disparis*, *Theronia atalantae*, *Theronia hilaris*.

Stilpnotia salicis (Linnaeus): *Coccygomimus pedalis*, *Itopectis atrocotalis*, *Itopectis conquisitor*, *Theronia atalantae*.

Nygmia phaeorrhoea (Donovan): *Anomalon exile*, *Campoplex validus*, *Coccygomimus pedalis*, *Itopectis conquisitor*, *Phobocampe clisiocampae*, *Theronia atalantae*.

"Liparid" on *Pinus* sp.: *Pterocormus burkei*.

Tussock moth: *Coccygomimus aequalis*.

NOTODONTIDAE

Ichthyura inclusa Huebner: *Campoplex validus*, *Labrorychus analis*.

Ichthyura strigosa Grote: *Campoplex validus*.

Ichthyura sp.: *Syzeuctus elegans*.

Datana angusii Grote & Robinson: *Therion morio*.

Datana contracta Walker: *Aphanistes hyalinis*, *Heteropelma fulvicorne*.

Datana integerrima Grote & Robinson: *Heteropelma datanae*, *Heteropelma fulvicorne*, *Labrorychus relictus*.

Datana ministra (Drury): *Coccygomimus aequalis*, *Heteropelma fulvicorne*, *Hyposoter fugitivus*, *Labrorychus relictus*.

Datana perspicua Grote & Robinson: *Heteropelma fulvicorne*, *Phobocampe clisiocampae*.

Datana sp.: *Megarhyssa atrata*.

Datana sp. on *Hammamelis virginiana*: *Heteropelma fulvicorne*.

Datana sp. on *Juglans* sp.: *Heteropelma datanae*.

Pheosia rimosa Packard: *Campoplegidea semirufa*.

Symmerista albifrons (Abbott & Smith): *Aphanistes hyalinis*, *Ophion tityri*.

Heterocampa bilineata (Packard): *Glypta simplicipes*.

Heterocampa guttivitta (Walker): *Coccygomimus pedalis*, *Cratichneumon sub-latus*, *Enicospilus arcuatus*, *Enicospilus purgatus*, *Pterocormus heterocampae*.

Heterocampa manteo (Doubleday): *Ophion bilineatus*.

Fentonia marthesia (Cramer): *Coccygomimus aequalis*.

Schizura concinna (Abbott & Smith): *Aphanistes hyalinis*, *Campoplex validus*, *Enicospilus arcuatus*, *Enicospilus purgatus*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Netelia deceptor*, *Phobocampe clisiocampae*.

Schizura unicornis (Abbott & Smith): *Enicospilus purgatus*.

"*Notodonta*" sp. on *Populus tremuloides*: *Mesochorus luteipes*.

DIOPTIDAE

Phryganidia californica Packard: *Itopectis behrensii*.

PHALAENIDAE

(AGARISTINAE)

Alypia octomaculata (Fabricius): *Netelia geminata*.

(ACRONICTINAE)

Acronicta americana (Harris): *Therion fuscipenne*.

Acronicta betulae Riley: *Mastrus pilifrons*.

Acronicta hastulifera (Abbott & Smith): *Therion confusum*, *Therion fuscipenne*.

Acronicta hesperida Smith: *Therion fuscipenne*.

Acronicta impressa Walker: *Therion fuscipenne*.

Acronicta obliterata (Abbott & Smith): *Charops genuina*, *Cratichneumon unifasciatus*, *Cyrtobasis bicarinata*, *Horogenes acronyctae*, *Metopius pollinctorius*.

Acronicta radcliffei (Harvey): *Netelia platypes*.

Acronicta sp.: *Ectopimorpha wilsoni*, *Enicospilus americanus*, *Ophion slossonae*.

Acronicta sp. secondary: *Gelis tenellus*.

Merolonche lupini (Grote): *Therion confusum*, *Therion fuscipenne*.

Simyra henrici (Grote): *Iseropus brunneifrons*, *Iseropus coelebs*.

(PHALAENINAE)

Euxoa excellens (Grote): *Pseudamblyteles nuncius*, *Pseudamblyteles subfuscus*.

Euxoa ochrogaster (Guenée): *Campolepis atkinsoni*, *Pseudamblyteles subfuscus*.

Chorizagrotis auxiliaris (Grote): *Amblyteles subrufus*, *Exetastes lasius*, *Pseudamblyteles nuncius*, *Pseudamblyteles subfuscus*, *Pterocormus longulus*.

- Agrotis gladiaria** Morris: *Ophion bilineatus*.
Agrotis malefida Guenée: *Exetastes bifenestratus*.
Agrotis orthogonia Morris: *Netelia ocellata*.
Agrotis ypsilon (Rottensburg): *Campoletis argentifrons*, *Ophion bilineatus*.
Agrotis sp.: *Exetastes bifenestratus*.
Feltia ducens Walker: *Erigorgus propinquus*, *Ophion bilineatus*, *Pseudamblyteles suturalis*.
Feltia subterranea (Fabricius): *Enicospilus purgatus*.
Peridroma margaritosa (Haworth): *Campoletis argentifrons*, *Coccygomimus sanguineipes*, *Coelichneumon maurus*, *Enicospilus purgatus*, *Pterocormus cupitus*.
Amathes badinodis (Grote): *Netelia geminata*, *Netelia sayi*.
Amathes c-nigrum (Linnaeus): *Ophion bilineatus*, *Pseudamblyteles comes*, *Pterocormus laetus*, *Pterocormus lividulus*, *Pterocormus purpuripennis*.
Abagrotis alternata (Grote): *Exetastes bituminosus*.

(HADENINAE)

- Scotogramma trifolii** (Rottensburg): *Enicospilus purgatus*.
Barathra curialis (Smith): *Banchus flavescens*.
Polia legitima (Grote): *Banchus inermis*, *Netelia deceptor*.
Lacinipolia stricta (Walker): *Campoletis argentifrons*.
Anarta sp.: *Hyposoter frigidus*.
Nephelodes emmedonia (Cramer): *Campoletis oxylus*.
Morrisonia confusa (Huebner): *Campoletis argentifrons*.
Ceramica picta (Harris): *Campoletis argentifrons*, *Enicospilus purgatus*, *Hyposoter annulipes*.
Dargida procincta (Grote): *Campoletis argentifrons*.
Neleucania sp.: *Campoletis argentifrons*.
Protoleucania albilinea (Huebner): *Anomalon apicale*, *Hyposoter nigrolineatus*, *Ichneumon obsoletus*, *Netelia geminata*.
Cirphis latiuscula (Herrich-Schaeffer): *Enicospilus purgatus*.
Cirphis multilinea (Walker): *Enicospilus purgatus*.
Cirphis unipuncta (Haworth): *Acrolyta nigricapitata*, *Campoletis oxylus*, *Coccygomimus pedalis*, *Cratichneumon paratus*, *Diplazon scutellaris*, *Enicospilus purgatus*, *Gelis minimus*, *Gelis tantillus*, *Melanichneumon brevicinctus*, *Mesochorus discitergus*, *Netelia geminata*, *Pseudamblyteles koebelei*, *Pseudamblyteles suturalis*, *Pterocormus brevipennis*, *Pterocormus canadensis*, *Pterocormus funestus*, *Pterocormus jucundus*, *Pterocormus purpuripennis*.
"Hadena" sp.: *Hyposoter frigidus*.
"Mamestra" sp.: *Hyposoter annulipes*.

(CUCULLINAE)

- Cucullia asteroides** Guenée: *Exetastes suaveolens*.
Cucullia intermedia Speyer: *Amblyteles nubivagus*.

- Graptolitha antennata* (Walker): *Netelia sayi*.
Graptolitha sp.: *Campoplegidea diversa*.
Epiglaea apiata (Grote): *Campoletis oxlyus*.
Metaxaglaea inulta (Grote): *Ophion bilineatus*.
Pyreferra hesperidago (Guenée): *Netelia sayi*.
Rusina bicolorago (Guenée): *Ophion bilineatus*, *Ophion idoneus*.

(AMPHIPYRINAE)

- Crymodes devastator* (Brace): *Lissonota varia*, *Pterocormus jucundus*.
Luperina stipata (Morris): *Ectopimorpha luperinae*, *Lissonota brunnea*, *Pterocormus jucundus*.
Oligia fractilinea (Grote): *Campoletis oxylus*, *Lissonota rufipes*, *Pterocormus laetus*.
Hydroecia immanis Guenée: *Pterocormus subdolos*.
Papaipema cataphracta Grote: ?*Coelichneumon orpheus*, *Lissonota brunnea*, ?*Pterocormus laetus*.
Papaipema circumlucens Smith: *Pterocormus jucundus*.
Papaipema duplicata Bird: *Pterocormus laetus*.
Papaipema impecuniosa (Grote): *Chasmias scelestus*.
Papaipema nebris (Guenée): *Campoletis oxylus*, ?*Coelichneumon orpheus*, *Lissonota brunnea*, *Pterocormus jucundus*, *Pterocormus laetus*.
Calloptistria floridensis (Guenée): *Melanichneumon brevicinctor*.
Macronoctua onusta Grote: *Melanichneumon brevicinctor*, *Melanichneumon rubicundus*, *Pterocormus jucundus*, *Pterocormus laetus*.
Phosphila turbulenta Huebner: *Aphanistes hyalinis*, *Therion petiolatum*.
Prodenia dolichos (Fabricius): *Netelia geminata*.
Prodenia eridania (Cramer): *Ophion bilineatus*.
Prodenia ornithogalli Guenée: *Campoletis argentifrons*, *Campoletis flavicinctus*, *Enicospilus purgatus*, *Hyposoter nigrolineatus*, *Ophion bilineatus*.
Prodenia praefica Grote: *Cryptus tejonensis*, *Hyposoter exiguae*, *Pterocormus difficilis*.
Prodenia sp.: *Campoletis argentifrons*, *Pristomerus appalachianus*.
Laphygma exigua (Huebner): *Campoletis argentifrons*, *Campoplex caradrinae*, *Hyposoter exiguae*, *Hyposoter nigrolineatus*, *Ophion bilineatus*, *Pristomerus appalachianus*.
Laphygma frugiperda (Abbott & Smith): *Campoletis argentifrons*, *Campoletis oxylus*, *Enicospilus purgatus*, *Netelia geminata*, *Ophion bilineatus*, *Pristomerus appalachianus*.
Zotheca tranquilla Grote: *Glypta simplicipes*, *Scambus alboricta*.
Achatodes zaeae (Harris): *Amblyteles consignatus*, *Chasmias scelestus*, *Coccygomimus aequalis*, *Coelichneumon caeruleus*, *Lissonota brunnea*, *Melanichneumon brevicinctor*, *Scambus pterophori*.
Pyrria umbra (Hufnagel): *Hyposoter annulipes*.
Catabena lineolata Walker: *Exetastes septum*.

(HELIOTHIINAE)

- Heliothis armigera** (Huebner): *Campoletis argentifrons*, *Hyposoter annulipes*,
Hyposoter exiguae, *Netelia sayi*, *Netelia spinipes*.
Heliothis sp.: *Campoplegidea laticincta*.

(ACONTIINAE)

- Eublemma minima** (Guenée): *Delomerista novita*.

(PLUSIINAE)

- Autographa brassicae** (Riley): *Aoplus cincticornis*, *Campoletis tibiator*, *Itoplectis conquisitor*.
Autographa californica (Speyer): *Campoletis websteri*, *Itoplectis atrocaxalis*.
Autographa falcifera (Kirby): *Charops infesta*.
Autographa sp.: *Campoletis argentifrons*.
Plusia precationis (Guenée): *Hyposoter annulipes*.

(CATOCALINAE)

- Catocala antinympha** (Huebner): *Hyposoter annulipes*.
Catocala sp.: *Coelichneumon viola*.
Paralellia bistriaris Huebner: *Netelia longipalpus*.
Zale lunata (Drury): *Netelia strigilobus*.
Melipotis jucunda Huebner: *Netelia pallens pallens*.
Anticarsia gemmatilis (Huebner): *Coccygomimus aequalis*, *Ophion bilineatus*.
Scoliopteryx libatrix (Linnaeus): *Enicospilus arcuatus*, *Enicospilus purgatus*.
Alabama argillacea (Huebner): *Coccygomimus aequalis*, *Enicospilus purgatus*,
Gambrus nuncius, *Itoplectis conquisitor*.
Anomis erosa Huebner: *Itoplectis conquisitor*.

(HERMINIINAE)

- Epizeuxis aemula** (Huebner): *Campoletis heliae*.
Bleptina sp.: *Itoplectis conquisitor*, *Melanichneumon brevicinctor*.
Lascoria ambigualis (Walker): *Melanichneumon brevicinctor*.

(Miscellaneous phalaenids)

- Climbing cutworm: *Pterocormus laetus*.
Cutworm: *Campoletis argentifrons*, *Cryptus robustus*, *Ectopimorpha wilsoni*,
Exetastes illinoiensis, *Itoplectis atrocaxalis*, *Lissonota varia*, *Pseudamblyteles koebelei*.
Phalaenid: *Amblyteles ormenus*, *Aoplus velox*, *Aphanistes puparum*, ?*Campoplegidea assita*, *Lissonota varia*, *Pterocormus laetus*, *Syzeuctus elegans*,
Therion circumflexum, *Therion merio*.
Phalaenid on *Betula lenta*: *Hyposoter noctuae*.

ARCTIIDAE

Halisidota caryae (Harris): *Aphanistes hyalinis*, *Cratichneumon unifasciatus*, *Iseropus coelebs*, *Ophion tityri*, *Theronia hilaris*.

Halisidota maculata (Harris): *Coccygomimus pedalis*, *Enicospilus glabratus*, *Erigorgus elongatus*, *Therion morio*, *Theronia hilaris*.

Halisidota tessellaris (Abbott & Smith): *Cratichneumon unifasciatus*, *Netelia unguicularis*, *Scambus hispae*.

Halisidota sp.: *Coccygomimus pedalis*, *Cratichneumon unifasciatus*, *Theronia hilaris*.

Cycnia inopinata (Hy. Edwards): *Therion morio*, *Therion sassacus*.

Cycnia tenera Huebner: *Campoplex validus*, *Labrorychus analis*, *Therion sassacus*.

Euchaetias egle (Drury): *Campoplex validus*, *Hyposoter fugitivus*, *Hyposoter pilosulus*, *Mesochorus discitergus*.

Diacrisia virginica (Fabricius): *Coccygomimus sanguineipes*, *Cratichneumon signatipes*, *Cratichneumon unifasciatus*, *Enicospilus glabratus*, *Heteropelma fulvicorne*, *Hyposoter pilosulus*, *Melanichneumon subcyaneus*, *Ophion bilineatus*, *Therion morio*, *Therion tenuipes*.

Isia isabella (Abbott & Smith): *Campoplex validus*, *Coccygomimus pedalis*, *Coelichneumon caeruleus*, *Conocalama nubilipennis*, *Cratichneumon signatipes*, *Cryptus albitarsis*, *Enicospilus americanus*, *Enicospilus glabratus*, *Gnamptopelta obsidianator*, *Pterocormus centrator*.

Estigmene acrea (Drury): *Charops genuina*, *Therion morio*.

Hyphantria cunea (Drury): *Campoplex validus*, *Charops genuina*, *Charops limenitidis*, *Enicospilus glabratus*, *Erigorgus ambiguus*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Hyposoter pilosulus*, *Itopectis conquisitor*, *Melanichneumon brevicinctor*, *Melanichneumon subcyaneus*, *Phobocampe pallipes*, *Pterocormus cinctitarsis*, *Therion morio*, *Therion sassacus*.

Hyphantria sp.: *Itopectis conquisitor*, ?*Polytribax pallescens*.

Ecpantheria deflorata (Fabricius): *Enicospilus glabratus*.

Arctia sp.: *Cratichneumon unifasciatus*, *Pseudamblyteles lewisii*.

Arctiid: *Coelichneumon caeruleus*, *Cratichneumon unifasciatus*, *Melanichneumon subcyaneus*, *Ophion bifoveolatus*.

Woolly bear: *Charops genuina*.

NOLIDAE

Celama sorghiella (Riley): *Cremastus minor*.

Nola sp. on *Salix* sp.: *Campoplex nolae*.

CTENUCHIDAE

Ctenucha virginica (Charpentier): *Iseropus brunneifrons*, *Pterocormus canadensis*.

CITHERONIIDAE

- Anisota rubicunda** (Fabricius): *Hyposoter fugitivus*.
Anisota senatoria (Abbott & Smith): *Gelis tenellus*, *Hyposoter fugitivus*.
Anisota stigma (Fabricius): *Hyposoter fugitivus*.
Anisota virginiensis (Drury): *Hyposoter fugitivus*.

SATURNIIDAE

- Philosamia walkeri advena** Packard: *Enicospilus americanus*.
Rothschildia orizaba (Westwood): *Enicospilus americanus*.
Samia cecropia (Linnaeus): *Enicospilus americanus*, *Gambrus extrematis*, *Gambrus nuncius*, *Ophion bilineatus*, *Theronia atalantae*.
Samia columbia Smith: *Enicospilus americanus*, *Gambrus extrematis*, *Mastrus smithii*.
Samia rubra (Behr): *Enicospilus americanus*.
Callosamia promethea (Drury): *Enicospilus americanus*, *Enicospilus glabratus*, *Gambrus extrematis*, *Gambrus nuncius*, *Mastrus compactus*, *Ophion bifoveolatus*.
Tropaea luna (Linnaeus): *Enicospilus americanus*, *Metopius pollinatorius*.
Telea polyphemus (Cramer): *Enicospilus americanus*, *Gambrus extrematis*, *Gambrus nuncius*, *Mastrus smithii*.
Automeris io (Fabricius): *Enicospilus americanus*, *Enicospilus glabratus*, *Hyposoter fugitivus*.
Coloradia pandora Blake: *Gelis tenellus*.
Hemileuca lucina Hy. Edwards: *Itopectis conquisitor*.
Hemileuca maia (Drury): *Coccygomimus sanguineipes*, *Hyposoter fugitivus*.
Hemileuca oliviae Cockerell: *Coccygomimus sanguineipes*, *Itopectis conquisitor*.
Hemileuca lucina Hy. Edwards or **maia** (Drury): *Glypta erratica*, *Glypta simplicipes*, *Hyposoter fugitivus*, *Itopectis conquisitor*.

SPHINGIDAE

- Dolba hylaeus** (Drury): *Conocalama brullei*.
Sphinx kalmiae Abbott & Smith: *Tricyphus apicalis*.
Sphinx luscitiosa Clemens: *Heteropelma fulvicorne*.
Lapara coniferarum (Abbott & Smith): *Thyreodon atricolor atricolor*.
Smerinthus jamaicensis (Drury): *Mesochorus discitergus*.
Paonias astylus (Drury): *Conocalama brullei*.
Paonias excaecatus (Abbott & Smith): *Thyreodon atricolor atricolor*.
Paonias myops (Abbott & Smith): *Conocalama brullei*, *Conocalama copei*, *Conocalama copei* var. *nigrocinctus*.
Ampeloeca myron (Cramer): *Tricyphus elegans vulpinus*.
Ampeloeca sp.: *Conocalama nubilipennis*.
Sphecodina abbottii (Swainson): *Conocalama nubilipennis*.
Proserpinus juanita (Strecker): *Catadelphus atrox*.

HESPERIIDAE

Proteides clarus (Cramer): *Cratichneumon signatipes*, *Ophion tityri*, *Polytribax pallescens*, *Theronia hilaris*.

Pholisora catullus (Fabricius): *Hyposoter fugitivus*.

Hesperiid pupa: *Amblyteles subrufus*.

LYCAENIDAE

Strymon melinus (Huebner): *Labrorychus pseudargioli*.

Lycaena hypophlaeas (Boisduval): *Pterocormus maius*.

Lycaenopsis pseudargiolus (Boisduval & Leconte): *Isdromas lycaenae*, *Labrorychus pseudargioli*.

"**Lycaena**" sp.: *Amblyteles subrufus*.

NYMPHALIDAE

Argynnis sp.: *Coccygomimus sodalis*.

Euphydryas chalcedon (Doubleday & Hewitson): *Benjaminia fuscipennis*, *Gelis tenellus*.

Euphydryas phaëton (Drury): *Benjaminia euphydryadis*, *Pterocormus maius*.

Melitaea harrisii Scudder: *Benjaminia euphydryadis*, *Hoplismenus propitius*.

Phyciodes tharos (Drury): *Hoplismenus propitius*.

Polygonia comma (Harris): *Cryptus albitarsis*, *Glypta erratica*, *Pterocormus rufiventris*.

Polygonia faunus (Edwards): *Pterocormus maius*.

Polygonia interrogationis (Fabricius): *Hoplismenus morulus*, *Pterocormus caliginosus*.

Polygonia satyrus (Edwards): *Pterocormus caliginosus*.

Nymphalis antiopa (Linnaeus): *Coelichneumon maurator*, *Hoplismenus morulus*, *Itopectis conquisitor*.

Nymphalis californica (Boisduval): *Theronia atalantae*.

Nymphalis milberti (Goedart): *Pterocormus rufiventris*.

Vanessa atalanta (Linnaeus): *Campoletis argentifrons*, *Pterocormus caliginosus*.

Vanessa cardui (Linnaeus): *Hyposoter fugitivus*, *Itopectis conquisitor*, *Pterocormus rufiventris*, *Therion morio*, *Trogus pennator*.

Vanessa virginiensis (Drury): *Pterocormus rufiventris*.

Basilarchia archippus (Cramer): *Charops limenitidis*, *Hyposoter disippi*, *Pterocormus caliginosus*.

Asterocampa celtis (Boisduval & Leconte): *Hyposoter fugitivus*.

Asterocampa clyton (Boisduval & Leconte): *Charopsimorpha tibialis*, ?*Coccygomimus aequalis*, *Hyposoter fugitivus*.

SATYRIDAE

Oeneis melissa (Fabricius): *Pterocormus instabilis*.

PIERIDAE

- Colias notatus eurytheme* Boisduval: *Hyposoter exiguae*, *Nepiera benevola*.
Colias notatus notatus (Megerle) secondary: *Mesochorus discitergus*.
Neophasia menapia (Felder & Felder): *Theronia atalantae*.
Pieris rapae (Linnaeus): *Itopectis conquisitor*, *Mesochorus pieridicola*, *Trogus pennator*.

PAPILIONIDAE

- Papilio ajax* Linnaeus: *Conocalama nubilipennis*, *Gnamptopelta obsidianator*, *Trogus pennator*.
Papilio brevicauda Saunders: *Trogus pennator*.
Papilio crespontes Cramer: *Gelis tenellus*.
Papilio eurymedon Lucas: *Trogus edwardsii*, *Trogus fulvipes*, *Trogus pennator*.
Papilio glaucus Linnaeus: *Trogus fulvipes*, *Trogus pennator*.
Papilio marcellus Linnaeus: *Coccygomimus aequalis*, *Itopectis conquisitor*, *Therion morio*, *Trogus pennator*.
Papilio rutulus Lucas: *Trogus pennator*.
Papilio troilus Linnaeus: *Calliephialtes notandus*, *Trogus pennator*.
Papilio zelicaon Lucas: *Trogus pennator*.
Papilio sp.: *Trogus edwardsii*.

Miscellaneous Lepidoptera of Unknown Family

- Blackish-gray leaf roller on *Populus* sp.: *Lissonota parva*.
 Blossom worm on *Vaccinium macrocarpon*: *Campoletis oxylus*.
 Bombycid? on *Gnaphalium* sp.: *Gambrus extrematis*.
 "Bombyx" sp.: *Cratichneumon unifasciatorius*.
 Bud moth: *Itopectis conquisitor*.
 Cocoon under bark of *Pinus* sp.: *Enicospilus glabratus*.
 Fruit tree leaf roller: *Itopectis obesus*.
 Gall on *Quercus* sp.: *Diplazon laetatorius*.
 Gall on *Solidago* sp.: *Campoplex depressus*.
 Grape vine larva: *Charops genuina*.
 Insect in cones of *Abies shastensis*: *Pimplopterus conocola*.
 Larva on *Carya* sp.: *Hyposoter noctuae*.
 Larva on *Clematis* sp.: *Iseropus coelebs*.
 Leaf miner: *Itopectis conquisitor*.
 Leaf roller on *Fragaria* sp.: *Coccygomimus aequalis*.
 Leaf roller on *Fraxinus* sp.: *Iseropus coelebs*.
 Leaf roller on *Malus pumila*: *Hyposoter annulipes*.
 Leaf roller on plum: *Ischnus atricollaris*.
 Leaf roller on *Robinia pseudoacacia*: *Calliephialtes notandus*.
 Leaf roller on *Rosa* sp.: *Pimplopterus parvus*.
 Leaf roller on *Rubus allegheniensis*: *Toxophoroides scitulus*.
 Leaf tier on *Azalea* sp.: *Glypta simplicipes*.

Leaf tier on *Quercus* sp.: *Itopectis conquisitor*.

Lepidopteran on *Coccygomimus nudus*, *Coelichneumon orpheus*, *Cratichneumon facetus*, *Cratichneumon unifasciatus*, *Cryptohelcostizus alamedensis*, *Cryptus arcticus*, *Horogenes compressus*, *Phytodietus fumiferanae*.

Lepidopteran on *Aesculus* sp.: *Itopectis conquisitor*.

Lepidopteran on *Castanea dentata*: *Phytodietus burgessi*.

Lepidopteran on *Myrica gale*: *Itopectis conquisitor*.

Lepidopteran on *Prunus virginiana*: *Iseropus coelebs*.

Lepidopterous gall on *Baccharis pilularis*: *Lampronota pleuralis*.

Lepidopterous gall on *Aplopappus squarrosus*: *Scambus aplopappi*.

Lepidopterous leaf-roller on *Malus pumila*: *Glypta simplicipes*.

Lepidopterous leaf-roller on *Platanus occidentalis*: *Scambus alboricta*.

Lepidopterous leaf-tier on *Crataegus* sp.: *Glypta rufiscutellaris*.

Lepidopterous stem borer in *Eupatorium* sp.: *Glypta erratica*.

Medium-sized hairy caterpillar: *Anomalon apicale*.

Moth pupa: *Coelichneumon caeruleus*.

Moth pupa on *Brassica oleracea*: *Aoplus cincticornis*.

Pod borer in *Iris* sp.: *Horogenes kiehtani*.

Pupa in folds of leaf of *Prunus persica*: *Meniscus quadricinctus*.

Small moth pupa: *Cratichneumon paratus*.

Tent caterpillar: *Cryptus altonii*, *Hyposoter fugitivus pacificus*.

DIPTERA

FUNGIVORIDAE

Zelmira inops (Coquillett): *Megastylus caseyi*.

insect in *Polyporus applanatus*: *Eusterinx fungicola*.

SYRPHIDAE

(SYRPHINAE)

Allograpta exotica (Wiedemann): *Diplazon laetatorius*.

Allograpta obliqua (Say): *Diplazon laetatorius*, *Diplazon scutellaris*, *Ethelurgus syrphicola*, *Syrphoctonus agilis*, *Syrphoctonus humeralis*, *Syrphoctonus pacificus*.

Allograpta sp.: *Diplazon laetatorius*.

Mesogramma polita (Say): *Diplazon laetatorius*.

Mesogramma sp.: *Diplazon laetatorius*.

Sphaerophoria cylindrica (Say): *Diplazon laetatorius*, *Diplazon scutellaris*, *Diplazon tibiatorius*, *Syrphoctonus agilis*, *Syrphoctonus decoratus*.

Sphaerophoria robusta Curran: *Diplazon laetatorius*, *Promethes elongatus*, *Promethes sulcator*, *Syrphoctonus agilis*.

Metasyrphus emarginatus (Say): *Syrphoctonus albopictus*.

Metasyrphus perplexus (Osburn): *Diplazon laetatorius*.

Metasyrphus vinelandi (Curran): *Diplazon laetatorius*, *Diplazon scutellaris*.

Metasyrphus wiedemanni (Johnson): *Diplazon laetatorius*, *Syrphoctonus agilis*.
Metasyrphus sp.: *Diplazon laetatorius*, *Syrphoctonus decoratus*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.

Syrphus rectus Osten Sacken: *Diplazon laetatorius*, *Ethelurgus syrphicola*.

Syrphus ribesii (Linnaeus): *Diplazon laetatorius*.

Syrphus ribesii vittafrons Shannon: *Diplazon laetatorius*.

Syrphus torvus Osten Sacken: *Diplazon laetatorius*, *Syrphoctonus pleuralis*.

Syrphus sp.: *Campoletis oxylus*, *Diplazon tibiatorius*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.

Scaeva pyrastris (Linnaeus): *Syrphoctonus humeralis*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.

Eupeodes volucris Osten Sacken: *Diplazon laetatorius*, *Diplazon tibiatorius*, *Syrphoctonus decoratus*, *Syrphoctonus humeralis*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.

Baccha clavata (Fabricius): *Diplazon laetatorius*, *Diplazon scutellaris*.

Baccha lemur Osten Sacken: *Diplazon laetatorius*.

Paragus bicolor (Fabricius): *Diplazon laetatorius*.

Paragus tibialis (Fallén): *Diplazon laetatorius*.

Platycheirus erraticus Curran: *Diplazon laetatorius*, *Promethes elongatus*, *Syrphoctonus compressiventris*, *Zootrephus rufiventris*.

(CHEILOSIINAE)

Cheilosia alaskensis Hunter: *Syrphoctonus maculifrons*.

Cheilosia hoodiana (Bigot): *Syrphoctonus maculifrons*.

(ERISTALINAE)

Merodon equestris (Fabricius): *Rhembobius abdominalis pacificus*.

(HELIOPHILINAE)

Citibaena strigatus (Fallén): *Rhembobius abdominalis pacificus*.

(Miscellaneous Syrphidae)

Syrphid: *Diplazon laetatorius*, *Syrphoctonus agilis*, *Syrphoctonus maculifrons*, *Syrphoctonus pleuralis*.

Larva on leaves of *Betula alba*: *Syrphoctonus pleuralis*.

CHLOROPIDAE

Meromyza americana Fitch: *Charops eupitheciae*.

SCIOMYZIDAE

Sepedon fuscipennis Loew: *Mesoleptus declivus*.

TEPHRITIDAE

Epochra canadensis Loew: *Phygadeuon epochrae*.

Eurosta solidaginis (Fitch): *Enicospilus purgatus*, *Iseropus coelebs*.

ANTHOMYIIDAE

Hylemya brassicae (Bouché): *Syrphoctonus albopictus*.

Fucellia sp.: ?*Phygadeuon cylindraceus*.

Anthomyiid on *Nicotiana tabacum*: *Stilpnus anthomyidiperda*.

MUSCIDAE

Muscid puparium: *Phygadeuon townsendi*.

TACHINIDAE

Paradexodes epilachnae Aldrich: *Phygadeuon subfuscus*.

Tachinid: *Mesochorus tachinae*, *Phygadeuon townsendi*.

Miscellaneous Diptera of Unknown Family

Dipteran: *Phygadeuon cylindraceus*, *Stenomacrus undulatus*.

Dipterous gall on *Cupressus macrocarpus*: *Campoplex cupressi*.

HYMENOPTERA

(SYMPHYTA)

ARGIDAE

Arge macleayi Leach: *Endasys mucronatus*.

Arge pectoralis Leach: *Iseropus coelebs*.

Arge salicis Rohwer: *Boethus nigripennis*.

Arge sp.: *Mastrus argeae*.

Sterictiphora ebena (Norton): *Boethus schizoceri*.

DIPRIONIDAE

Zadiprion grandis Rohwer: *Endasys subclavatus*, *Exenterus lophyri*, *Mastrus argeae*.

Neodiprion abbottii (Leach): *Lamachus lophyri*, *Olesicampe lophyri*.

Neodiprion abietis (Harris): *Agrothereutes lophyri*, *Charops genuina*, *Centeterus fungor*, *Delomerista diprionis*, *Euceros frigidus*, *Exenterus affinis*, *Gelis tenellus*, *Iseropus coelebs*, *Lamachus contortionis*, *Lamachus lophyri*, *Melanichneumon rubicundus*.

Neodiprion abietis (Harris) secondary: *Gelis tenellus*.

Neodiprion banksianae Rohwer: *Exenterus canadensis*.

Neodiprion fabricii (Leach): ?*Exenterus diprioni*.

Neodiprion lecontei (Fitch): *Exenterus canadensis*, *Exenterus diprioni*, *Lamachus contortionis*, *Lamachus virginianus*.

Neodiprion sertifer (Geoffroy): *Exenterus flavissimus*.

Neodiprion swainei Middleton: ?*Exenterus affinis*, ?*Exenterus diprioni*.

Neodiprion tsugae Middleton: *Agrothereutes neodiprionis*, *Aptesis tsugae*, *Bathythrix areolaris*, *Bathythrix latifrons*, *Delomerista diprionis*, *Endasys subclavatus*, *Euceros faciens*, *Exenterus tsugae*, *Ischnus oregonensis*, *Itopectis obesus*, *Lamachus angularius*, *Lamachus tsugae*, *Mastrus argeae*, *Phaeogenes arcticus*, *Phaeogenes hariolus*.

Neodiprion sp.: *Aptesis indistincta*, *Coccygomimus pedalis*, *Endasys subclavatus*, *Euceros thoracicus*, *Exenterus affinis*, *Exenterus canadensis*, *Exenterus diprioni*, *Lamachus lophyri*, *Mastrus argeae*.

Neodiprion sp. on *Pinus banksiana*: *Euceros neodiprioni*.

Neodiprion sp. on *Pinus resinosa*: *Exenterus affinis*.

Diprion hercyniae (Hartig): *Agrothereutes major*, *Aptesis basizonia*, *Aptesis indistincta*, *Coccygomimus pedalis*, *Delomerista diprionis*, *Endasys subclavatus*, *Exenterus amictorius*, *Exenterus canadensis*, *Exenterus claripennis*, *Gelis urbanus*, *Lamachus contortionis*, *Lamachus ruficoxalis*, *Mastrus argeae*, *Mesoleius aulicus*, *Orthocentrus pusillus*.

Diprion similis (Hartig): *Agrothereutes lophyri*, *Delomerista diprionis*, *Exenterus amictorius*, *Gelis tenellus*.

Diprionid: *Endasys subclavatus*, *Mastrus argeae*.

Sawfly on *Cedrus deodarus*: *Exenterus diprioni*.

CIMBICIDAE

Trichiosoma sp.: *Gambrus extrematis*, *Protarchus longipes*.

Cimbex americana Leach: *Agrothereutes cimbicivorus*, *Gambrus nuncius*, *Horo- genes compressus*, *Mesochorus melleus*, *Opheltis glaucopterus flavipennis*.

TENTHREDINIDAE

Caliroa amygdalina Rohwer: *Hyperallus caliroae*.

Caliroa cerasi (Linnaeus): *Hypamblys albopictus*, *Rhorus caliroae*, *Rhorus nigratus*.

Caliroa sp. on *Nyssa sylvatica*: *Gnesia caliroae*, *Lathrolestes caliroae*.

Caliroa sp. on *Quercus prinus*: *Lathrolestes caliroae*.

Caliroa sp. on *Quercus rubra*: *Hyperallus virginiensis*.

Phyllotoma nemorata (Fallén): *Agrothereutes major*, *Alophosternum foliicola*, *Gelis obscurus*, *Gelis urbanus*, *Scambus hispae*.

Metallus rubi Forbes: *Campoletis argentifrons*, *Lathrolestes metalli*, *Lathrolestes rufigaster*.

Profenusa canadensis Marlatt: *Aptesis tenthredinarum*.

Hemichroa crocea (Fourcroy): *Diaborus mediatu*, *Mesoleius ovalis*.

Pristiphora californica Marlatt: *Hypamblys albopictus*.

Pristiphora erichsonii (Hartig): *Aptesis indistincta*, *Euceros thoracicus*, *Mesoleius aulicus*.

Pachynematus affinis Marlatt: *Syndipnus lateralis*.

Pachynematus ochreateus (Harrington): *Smicroplectrus velox*.

- Pikonema alaskensis** (Rohwer): *Erromenus bedardi*, *Olesicampe pikonemae*, *Scopiorus quebecensis*, *Smicroplectrus velox*, *Syndipnus gaspesianus*, *Syndipnus rubiginosus*.
- Pikonema dimmockii** (Cresson): *Erromenus bedardi*, *Olesicampe pikonemae*, *Scopiorus quebecensis*, *Syndipnus rubiginosus*.
- Nematus alnivora** Rohwer: *Olesicampe pteronideae*, *Polyterus olympiae*.
- Nematus californicus** Marlatt: *Scambus euurae*.
- Nematus corylus** (Cresson): *Olesicampe pteronideae*.
- Nematus marylandicus** Norton: *Pimplopterus frigidus*.
- Nematus pyriformis** Marlatt: *Scambus euurae*.
- Nematus resinicola** Marlatt: *Mesoleius euurae*.
- Nematus ribesii** (Scopoli): *Aptesis indistincta*.
- Nematus tibialis** Newman: *Endasys pubescens*.
- Nematus ventralis** Say: *Melanichneumon subcyaneus*, *Polyterus olympiae*.
- Nematus vertebratus** (Say): *Syndipnus probatus*.
- Nematus** sp.: *Pimplopterus frigidus*, ?*Smicroplectrus apicatus*, *Smicroplectrus robustus*.
- Nematus** sp. on *Populus* sp.: *Scopiorus quebecensis*.
- Euura salicisnodus** Walsh: *Calliephialtes grapholithae*, *Gambrus ultimus*.
- Euura** sp. on *Salix* sp.: *Olesicampe euurae*.
- Croesus latitarsis** Norton: *Polyblastus pedalis*.
- Ametastegia glabrata** (Fallén): *Bathythrix claviger*, *Cubocephalus minutus*, *Cubocephalus osculatus*, *Gambrus newcomeri*, *Mastrus smithii*, *Scambus pterophori*, *Ipoctoninus striatus*.
- Macremphytus tarsatus** (Say): *Mastrus smithii*.
- Tomostethus multicinctus** Rohwer: *Giraudia plana*, *Lathrolestes tomostethi*, *Oocenteter tomostethi*.
- Tenthredinid: *Exenterus pini*, *Polyterus olympiae*.
- Tenthredinid on *Populus tremuloides*: *Polyterus olympiae*.
- Tenthredinid on *Prunus pennsylvanica*: *Scopiorus subcrassus*.

XYELIDAE

- Xyela** sp.: *Idiogramma bridwelli*, *Idiogramma longicauda*.

XIPHYDRIIDAE

- Xiphydria abdominalis** Say: *Rhyssella humida*.
- Xiphydria attenuata** Norton: *Rhyssella humida*.
- Xiphydria canadensis** Provancher: *Rhyssella nitida*.
- Xiphydria champlaini** Rohwer: *Rhyssella humida*.
- Xiphydria erythrogaster** Ashmead: *Rhyssella humida*.
- Xiphydria maculata** Say: *Rhyssella nitida*.
- Xiphydria tibialis** Say: *Rhyssella humida*.

SIRICIDAE

Sirex edwardsii Brullé: *Rhyssa lineolata*.

Sirex sp.: *Megarhyssa nortoni*, *Rhyssa persuasoria*.

Urocerus albicornis (Fabricius): *Megarhyssa nortoni*, *Rhyssa lineolata*.

Urocerus cyaneus (Fabricius): *Rhyssa lineolata*.

Urocerus sp.: *Megarhyssa atrata*.

Xeris morrisoni (Cresson): *Megarhyssa nortoni*.

Xeris sp.: *Megarhyssa nortoni*, *Rhyssa lineolata*, *Rhyssa persuasoria*.

Tremex columba (Linnaeus): *Deuteroxorides vittifrons*, *Megarhyssa atrata*,
Megarhyssa greenei, *Megarhyssa macrurus*.

Siricid: *Rhyssa lineolata*, *Rhyssa persuasoria*.

Miscellaneous Symphyta of Unknown Family

Galls on *Salix* sp. made by ?sawflies: *Olesicampe modesta*.

Sawfly: *Adelognathus pallipes*.

Sawfly gall on *Salix* sp.: *Scambus euurae*.

Sawfly on *Betula lenta*: *Campoplex nigricinctus*.

Sawfly on *Betula nigra*: *Dicaelotus missouriensis*.

Sawfly on blackberry: *Lathrolestes rufigaster*.

Sawfly on *Ribes* sp.: *Olesicampe nematicidus*.

Sawfly on *Salix* sp.: *Polyterus olympiae*.

Sawfly on *Triticum aestivum*: *Mesostenus angustus*.

(APOCRITA)

BRACONIDAE

Microbracon pygmaeus (Provancher): *Gelis tenellus*.

Rogas laphygmae Viereck: *Gelis perniciosus*.

Rogas stigmator (Say): *Itoplectis conquisitor*.

Rogas terminalis Cresson: *Itoplectis conquisitor*.

Rogas sp.: *Cyrtobasis bicarinata*.

Microgaster sp.: ?*Gelis tantillus*, *Mesochorus discitergus*.

Microplitis ceratomiae Riley: *Mesochorus discitergus*.

Microplitis coactus Lundbeck: *Gelis terebrator*.

Microplitis croceipes (Cresson): *Mesochorus discitergus*.

Microplitis gortynae Riley: *Gelis spiraculus*, *Gelis tenellus*, *Haplaspis mandibularis*.

Microplitis melianae Viereck: *Mesochorus discitergus*.

Apanteles aletiae Riley: *Isdromas lycaenae*.

Apanteles congregatus (Say): *Isdromas mesochori*, *Mesochorus discitergus*,
? *Mesochorus pieridicola*.

Apanteles flaviconchae Riley: ? *Mesochorus discitergus*.

Apanteles lacteicolor Viereck: *Gelis obscurus*, *Gelis tenellus*.

Apanteles laeviceps Ashmead: *IIemiteles cincticornis*.

Apanteles melanoscelus (Ratzeburg): *Acrolyta nigricapitata*, *Alegina apantelis*, *Gelis apantelis*, *Gelis inutilis*, *Gelis nocuus*, *Gelis obscurus*, *Gelis tenellus*, *Gelis urbanus*, *Haplaspis mandibularis*, *Itopectis conquisitor*, *Mesochorus discitergus*.

Apanteles militaris (Walsh): *Gelis minimus*, *Gelis perniciosus*.

Apanteles smerinithi Ashmead: *Mesochorus discitergus*.

Apanteles solitarius (Ratzeburg): *Gelis apantelis*, *Gelis obscurus*, *Gelis tenellus*, *Gelis urbanus*.

Apanteles sp.: *Gelis atratus*, *Haplaspis mandibularis*, *Isdromas mesochori*, *Mesochorus discitergus*.

Microgasterinae: *Mesochorus discitergus*.

Bracon vulgaris (Cresson): *Mesochorus agilis*.

Meteorus acronyctae Muesebeck: *Gelis tenellus*.

Meteorus communis (Cresson): *Bathytrix meteori*, ?*Gelis tenellus*, *Mesochorus discitergus*.

Meteorus datanae Muesebeck: *Gelis tenellus*.

Meteorus hyphanthiae Riley: *Gelis tenellus*.

Meteorus laphygmae Viereck: *Gelis perniciosus*.

Meteorus versicolor (Wesmael): *Bathytrix triangularis*, *Gelis tenellus*, *Gelis urbanus*.

ICHNEUMONIDAE

Iseropus coelebs (Walsh): ?*Bathytrix pimplae*, *Campoplex validus*, *Itopectis conquisitor*, ?*Mastrus americanus*, *Phobetes thyridopteryx*.

Tromatobia rufopectus (Cresson): *Theronia bicincta*.

Coccygomimus pedalis (Cresson): ?*Theronia hilaris*.

Itopectis behrensii (Cresson): *Mastrus aciculatus*.

Itopectis conquisitor (Say): *Phobetes thyridopteryx*, *Theronia atalantae*.

Otacustes crassus crassus (Provancher): ?*Gelis tenellus*.

Gambrus extrematis (Cresson): *Bathytrix pimplae*, *Coccygomimus aequalis*, *Gelis tenellus*, *Itopectis conquisitor*, *Mastrus smithii*, *Theronia atalantae*.

Charops limenitidis (Howard): *Gelis tenellus*.

Campoplegidea ellopiae Walley: *Itopectis conquisitor*.

Phobocampe clisiocampae (Weed): *Itopectis conquisitor*.

Phobocampe geometrae (Ashmead): *Bathytrix triangularis*.

Hyposoter fugitivus fugitivus (Say): *Gelis tenellus*, *Iseropus coelebs*, *Itopectis conquisitor*, *Theronia atalantae*.

Hyposoter pilosulus (Provancher): *Gelis atratus*, *Gelis tenellus*.

Enicospilus americanus (Christ): *Gelis tenellus*, *Theronia atalantae*.

CYNIPIDAE

(CYNIPINAE)

Disholcaspis mamma (Walsh): *Scambus hispae*.

Diastrophus radicum Bassett: *Orthopelma diastrophii*.

- Diastrophus turgidus* Bassett: *Orthopelma mediator*.
Diplolepis ignota (Osten Sacken): *Orthopelma mediator*.
Diplolepis radicum (Osten Sacken): *Orthopelma diastrophii*.
Diplolepis rosae (Linnaeus): *Orthopelma mediator*.
Diplolepis rosaefolii (Cockerell): *Orthopelma mediator*.
Diplolepis similis (Ashmead): *Orthopelma occidentale*.
Diplolepis sp.: *Orthopelma mediator*.
 Cynipid gall on *Rosa* sp.: *Orthopelma californicum*, *Orthopelma mediator*.

CHALCIDIDAE

(EULOPHINAE)

- Dimmockia incongruus* (Ashmead): ?*Alegina annulata*, ?*Gelis tenellus*.
Pleurotropis albitarsis (Ashmead): ?*Alegina annulata*, ?*Gelis tenellus*.

VESPIDAE

- Ancistrocerus birenimaculatus* (Saussure) *Acroricnus aequatus junceus*.
Ancistrocerus tigris (Saussure): *Acroricnus aequatus junceus*.
Polistes canadensis annularis (Linnaeus): *Polistiphaga fulva*.
Polistes fuscatus (Fabricius): *Polistiphaga fulva*.
Polistes fuscatus pallipes Lepeletier: *Polistiphaga fulva*.
Polistes fuscatus rubiginosus Lepeletier: *Polistiphaga fulva*.
Polistes fuscatus variatus Cresson: *Polistiphaga fulva*.
Polistes sp.: *Polistiphaga fulva*, *Polistiphaga stupida*.
Vespa maculata (Linnaeus): *Sphecophaga burra*.
Vespa maculifrons (Buysson): *Sphecophaga burra*.

PSAMMOCHARIDAE

- Ageniella bombycina* (Cresson): *Messatoporus discoidalis*.
Ageniella petiolata (Cresson): *Messatoporus discoidalis*.
Pseudagenia mellipes (Say): *Messatoporus discoidalis*.
Ceropaes fraterna Smith: *Messatoporus discoidalis*.

SPHECIDAE

- Sceliphron caementarium* (Drury): *Acroricnus aequatus junceus*.
Pemphredon concolor Say: *Perithous pleuralis*.
Crabro sp.: ?*Grotea anguina*.

CERATINIDAE

- Ceratina calcarata* Robertson: *Grotea anguina*.
Ceratina dupla Say: *Gambrus zoesmairi*, *Grotea anguina*.

ARANEAE

DICTYNIDAE

Dictyna foliacea (Hentz): *Zatypota dictynae*.

GNAPHOSIDAE

Zelotes ater (Hentz): *Gelis prothesimae*.

Zelotes sp. eggs: *Lymeon orbus*.

Gnaphosid eggs: *Gelis bruesii*, *Gelis drassi*, *Gelis lymensis*, *Gelis obscurus*.

THERIDIIDAE

Steatoda borealis (Hentz): *Oxyrrhexis carbonator*.

Theridion sp.: *Zatypota theridii*.

ARGIOPIDAE

Araneus cornutus Clerk: *Polysphincta strigis*.

Araneus cornutus Clerk: nest *Gelis macer*.

Araneus sericatus Clerk: ? *Tromatobia zonata*.

Argiope argentata (Fabricius): eggs: *Tromatobia rufopectus*.

Argiope aurantia (Lucas) eggs: *Tromatobia rufopectus*, *Tromatobia scriptifrons*.

Neoscona arabesca Walckenaer: *Hymenopimecis willii*.

Tetragnathus sp.: *Colpomeria kincaidii*.

"*Epeira*" sp.: *Polysphincta limata*.

Argiopid eggs: *Tromatobia rufopectus*.

Eggs of garden spider: *Tromatobia rufopectus*.

Eggs of green argiopid: *Tromatobia rufopectus*.

CLUBIONIDAE

Micaria sp. eggs: *Gelis micariae*, *Gelis obscurus*.

AGELENIDAE

Agelena naevia Walckenaer: *Gelis meabilis*.

Miscellaneous Araneae of Unknown Family

Micaria sp. or *Zelotes* sp. eggs: *Gelis ottawaensis*.

Spider eggs: *Gelis bruesii*, *Gelis davidsonii*, *Gelis dispar*, *Gelis macer*, *Gelis obscurus*, *Gelis ottawaensis*, *Gelis pettiti*, *Gelis uniformis*, *Lymeon orbus*, *Tromatobia lateralis*, *Tromatobia ovivora*, *Tromatobia rufopectus*, *Tromatobia rufovariata*, *Zaglyptus incompletus*.

Spider nest: *Clistopyga nigrifrons*.

SYSTEMATIC LIST OF PARASITES OF NEARCTIC ICHNEUMONIDAE

The following is a list of all records of parasitic insects attacking Nearctic Ichneumonidae. References to the authorities for these records may be found through the parasite lists under the various host species in the body of the catalogue.

HYMENOPTERA

ICHNEUMONIDAE

- Iseropus coelebs** (Walsh): *Hyposoter fugitivus*.
Coccygomimus aequalis (Provancher): *Gambrus extrematis*.
Coccygomimus instigator (Fabricius): *Iseropus coelebs*.
Itoplectis conquisitor (Say): *Campoplegidea ellopiae*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Iseropus coelebs*, *Phobocampe clisiocampae*.
Theronia atalantae (Poda): *Enicospilus americanus*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Itoplectis conquisitor*.
Theronia bicincta (Cresson): *Tromatobia rufopectus*.
Theronia hilaris (Say): ?*Coccygomimus pedalis*.
Bathythrix pimplae Howard: *Gambrus extrematis*, ?*Iseropus coelebs*.
Bathythrix triangularis (Cresson): *Phobocampe geometrae*.
Mastrus aciculatus (Provancher): *Itoplectis behrensii*.
Mastrus smithii (Packard): *Gambrus extrematis*.
Mastrus americanus (Howard): *Iseropus coelebs*.
Phobetes thyridopteryx (Riley): *Iseropus coelebs*, *Itoplectis conquisitor*.
Gelis atratus (Ashmead): *Hyposoter pilosulus*.
Gelis tenellus (Say): *Casinaria orgyiae*, *Enicospilus americanus*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Hyposoter pilosulus*, ?*Otacustes crassus crassus*.
Campoplex validus (Cresson): *Iseropus coelebs*.
"Hemiteles" sp.: *Campoletis argentifrons*.

CHALCIDIDAE

(ORMYRINAE)

- Monodontomerus subobsoletus** Gahan: *Gambrus extrematis*.
Monodontomerus sp.: ?*Gambrus extrematis*.

(PERILAMPINAE)

- Perilampus hyalinus** Say: *Campoplex validus*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Hyposoter pilosulus*.

(CHALCIDINAE)

- Spilochalcis albifrons** (Walsh): *Gelis minimus*.

(EURYTOMINAE)

- Eurytoma** sp.: *Glypta rufiscutellaris*.

(ENCYRTINAE)

Epiencyrtus thyreodontis (Ashmead): *Thyreodon atricolor atricolor*.

Eupelmella vesicularis (Retzius): *Bathyplectes curculionis*.

Eupelmus sp.: *Glypta rufiscutellaris*.

(PTEROMALINAE)

Catolaccus aeneoviridis (Girault): *Bathyplectes curculionis*, *Campoletis argentifrons*, *Hyposoter pilosulus*.

Coelopisthia suborbicularis (Provancher): *Itoplectis conquisitor*.

Dibrachys sp.: *Gambrus extrematis*.

Dibrachys cavus (Walker): *Bathyplectes curculionis*, *Campoplex validus*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Hyposoter pilosulus*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Phobocampe clisiocampae*, *Polistiphaga fulva*, *Theronia atalantae*.

Eupteromalus viridescens (Walsh): *Ilorogenes insularis*.

Eupteromalus sp.: *Bathyplectes curculionis*.

Habrocytus thyridopterigis Howard: *Hyposoter fugitivus*.

Habrocytus spp.: *Bathyplectes curculionis*.

Hypoeteromalus percursor Girault: *Hyposoter pilosulus*.

Pteromalus puparium (Linnaeus): *Hyposoter fugitivus*, *Phobocampe clisiocampae*.

(EULOPHINAE)

Cirrospilus inimicus Gahan: *Gambrus extrematis*.

Dimmockia incongruus (Ashmead): *Sphecophaga burra*.

Tetrastichus bruchophagi Gahan: *Bathyplectes curculionis*.

Pleurotropis tarsalis (Ashmead): *Hyposoter fugitivus*.

(ELASMINAE)

Elasmus atratus Howard: *Phobocampe pallipes*.

Elasmus varius Howard: *Hyposoter fugitivus*.

(Miscellaneous chalcidids)

Chalcidid: *Bathyplectes curculionis*, *Phobetis thyridopteryx*.

TRIGONALIDAE

Lycogaster pullata Shuckard: *Enicospilus americanus*.

ERRATA AND ADDENDA

- Page 16, line 13. For *morpha*, read *mophora*.
- Page 18, second column, first line under Tryphoninae. For *Notomeris* read *Pammicra*.
- Page 20, first column, third to last line. For Eucerosini read Euceratini.
- Page 20, first column, last line. The word should be Pionini.
- Page 21, second column, line 11. For *Troctonus*, read *Ipoctoninus*.
- Page 22, first column, lines 9 to 12. Delete *Casinarina*, *Zastenomorpha*, *Fiebrigia*, and *Zacharops*. Insert *Charops*.
- Pages 56 and 67, footnotes. Since this Catalogue went to press, Hemming (Bull. Zool. Nomenclature, Oct. 1943, 1, pt. 3: 70-86) has published that the International Commission on Zoological Nomenclature in June 1939 declared *Ephialtes*, *Pimpla*, and *Ichneumon* to be nomina conservanda, these to be used in the sense of European and older authors. An examination of the case shows that the vote to do this was not made by the full Commission as required by the usual rules of the Commission, but by Jordan and Hemming apparently without notifying the rest of the Commissioners that a vote was being taken, without asking for comments from them, and without notifying them of the action taken. A letter of March 1943, addressed to Dr. James L. Peters, Assistant Secretary of the Commission, regarding the status of these names received the reply that as far as he could find out from his file of correspondence, it had not received any attention since it was first published in 1936. It is perhaps useless to quibble about the "legality" of the Jordan and Hemming decision, as the above publication, together with earlier proceedings of the Commission clearly indicates the intention of the Commission, which would probably be verified if the matter were brought up before the Commission again. My own intention in regard to these names is to follow accepted rules of nomenclature, at least until it is clear that the Commission's policy in regard to nomina conservanda will receive the respect and support that is needed to make them endure.
- Page 83, second line under *Diacritus* should read: Genotype: *Mesoleptus? muliebris* Cresson. Included by Davis, Canad. Ent. 1895, 27: 288-289.
- Page 84, line 9. For *pleuricinctus*, read *pluricinctus*.
- Page 84, line 19. Delete entire line.
- Page 110, third to last line. For *brevicaudum* read *brevicaudus*.
- Page 125, after line 7. Insert the genus *Atopotrophos* from page 174.
- Page 143, second line under *Boethus alaingens*. For (A. N. S. P.) read (U. S. N. M.).
- Page 154, line 12. For *californicus* read *californicus*.
- Page 156, line 25. For *seminigra* read *seminiger*.
- Page 158, third line from bottom. For *Acetononyx* read *Actenonyx*.
- Page 181, lines 32 and 42. For *Chrysopa carnea* read *Chrysopa plorabunda*.

- Page 228, following line 18 insert *Stilpnus tenebricosus* from page 233 (where it occurs as *Atractodes tenebricosus*) and add the following reference: *Stilpnus tenebricosus* Roman, Arkiv för Zoologi, 1918, 12, no. 2: 30 [syn., des.].
- Page 233, lines 1 through 8. See the correction above for page 228.
- Page 244, sixth line from bottom. For *Shenkia* read *Schenkia*.
- Page 261, line 4. For *Gambrus ornatus* (Provancher) read *Gambrus zoesmairi* (Dalla Torre).
- Page 261, line 6. Add: Preoccupied by Gravenhorst, 1829. I am indebted to Mr. G. S. Walley for calling my attention to this preoccupation.
- Page 261, line 9. Add: and by Provancher, 1877.
- Page 261, line 24. For *Gambrus sordidus* (Provancher) new combination, read *Gambrus polyphemi* new name.
- Page 261, line 26. Add: Preoccupied by Tschek, 1870. I am indebted to Dr. H. D. Pratt for calling my attention to this preoccupation and for suggesting the substitute name.
- Page 355, line 8. For *hiulcus* read *hiulca*.
- Page 426, sixth line from bottom. For page 39 read page 93.
- Page 448. After line 13 insert *Lissonota gelida* with its references from page 451.
- Page 450, line 1. For *Lampronota* read *Lissonota*.
- Page 450, line 31. The reference should be: *Hammaniella* (!) *relativa* Viereck, Canad. Ent., 1902, 34: 67. ♂. [o. d., N. J. (A. N. S. P.), Mass.]
- Page 451, line 30. For *Lampronota* read *Lissonota*. *Lissonota gelida* and its references belong on page 448 after line 13.

INDEX TO THE ICHNEUMONIDAE *

Synonyms and invalid names are given in italics. Misspelled names are followed by an exclamation mark (!) and, unless several authors have used the misspelling, also by the name of the author responsible for the misspelling. Specific names that are nomina nuda or that represent misdeterminations are given without an author. An asterisk (*) indicates an extralimital species, included usually as a genotype.

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* Miss Alice H. Renk, of the Division of Insect Identification, U. S. Bureau of Entomology and Plant Quarantine, has assisted in the preparation of this and the host and parasite indices.

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